FINAL EXAMINATIONS



- Model Examinations of the School Book
 (2 models + model for the special needs students)
- 20 Examinations from Some Governorates for the Year 2020
- ② 25 Examinations from Some Governorates for the Year 2017
- 5 Examinations from Some Governorates for the Year 2016





Model Examinations of the School Book

Model



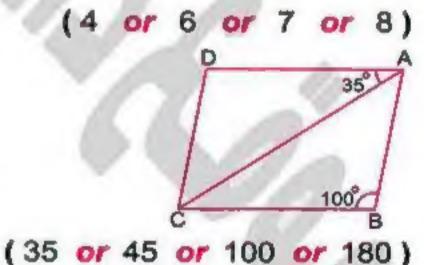
Answer the following questions:

- Complete the following statements:
 - (1) 1.5 litre + 0.5 dm³ + 500 cm³ = ··········· litres.
 - (2) The volume of a cuboid is 64 cm³ and the area of its base is 16 cm², then its height =cm.

 - (4) The area of the triangle = $\frac{1}{2} \times \cdots \times \times \cdots$
- Choose the correct answer :
 - (1) The range of the set of values: 7,3,6,9 and 5 is

(2 or 4 or 6 or 12)

- (3) An agricultural tractor ploughs 28 feddans in 4 hours, then the time which is needed to plough 42 feddans is hours.
- (4) In the opposite figure:



- [a] A container has 12 litres of oil, it is wanted to put them in smaller bottles the capacity of each of them is 400 cm³. Calculate the number of bottles which are needed.
 - [b] If the buying price of electric sets is L.E. 72 000 and sold at 12 % profit.
 Calculate the selling price.

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- [a] The ratio among the measures of the angles of a triangle is 2 : 3 : 4 Find the measure of each angle in this triangle.
 - [b] A metallic cube of edge length 12 cm. It needs to be converted it into ingots in the shape of cuboid each of them of dimensions 3 cm. , 4 cm. and 6 cm. Calculate the number of ingots that are obtained.
- [a] Two persons started a commercial business, the first paid L.E. 5 000 and the second paid L.E. 8 000, at the end of the year, the net profit was L.E. 3 900 Calculate the share of each of them from the profit.
 - [b] The following table shows the marks of 100 students in one month in math test :

Marks	10 -	20 -	30 -	40 – 50	Total
Number of students	15	30	40	15	100

Draw the frequency curve of this distribution.



Answer the following questions:

- Choose the correct answer :
 - (1) If one angle of a parallelogram is right, then it is called a

(rectangle or square or rhombus or cube)

$$(4\frac{1}{5} \text{ or } 3\frac{2}{5} \text{ or } 4\frac{4}{5} \text{ or } 2\frac{4}{5})$$

- (3) If the marks of 6 students in one exam are 29, 33, 57, 40, 36 and 49, then the range of these marks = (32 or 33 or 28 or 86)
- (4) If $\frac{4}{6} = \frac{12}{x}$, then $x + 2 = \dots$ (16 or 18 or 20 or 22)
- Complete the following statements:
 - (1) 65 dm3 = litres.
 - (2) A wooden box in the form of a cube, its external volume is 1 000 cm3 and its capacity is 729 cm3, then the volume of wood of the box = cm³

(ع: ۵) المحاصوريانيات (Worksheets & Examinations) / دب/ نيره ۱ (ع: ۵)



(3) The following table shows the marks of 50 students in one month in math:

Marks	10 -	20 -	30 -	40 – 50	Total
Number of students	5	15	20	10	50

then the number of students whose marks are less than 40 is students.

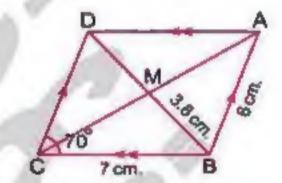
- [a] Three persons started in business, the first paid 15 000 pounds, the second paid 25 000 pounds and the third paid 20 000 pounds, at the end of the year, the profit was 5 520 pounds.
 Calculate the share of each of them.
 - [b] 10 litres of water were poured in a vessel in the shape of a cuboid, its base is a square of side length 25 cm. Find the height of the water in the vessel.
- [a] In one of our schools, there are 360 students, if the ratio between the number of boys and the number of girls is 1:2

 Find each of the number of boys and girls.
 - [b] In the opposite figure:

ABCD is a parallelogram in which AB = 6 cm.

Without using geometrical instruments.

Find: m (∠ ADC), the perimeter of ∆ BCD



- [a] Heba bought a mobile phone for 660 pounds with a discount 15 % Calculate the price of the mobile phone before the discount.
 - [b] The following table shows the number of hours which are spent by 40 pupils to study their lesson daily:

Number of hours	1-	2-	3-	4 –	5-6	Total
Number of pupils	6	3	8	12	11	40

Represent these data by the frequency curve.

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Model for the special needs students

Answer the following questions:

Complete the following statements:

(1) 5 000 grams : 8 kilograms = (in the simplest form)

 $(2)\frac{3}{10} = \cdots \%$

(3) The volume of a cuboid = the area of base ×

- (4) 3 litres = cm³
- Choose the correct answer :

(1) The range of the values 50, 25, 35 and 20 is

(10 or 20 or 30)

- (2) If $\frac{2}{3} = \frac{10}{x}$, then $x = \dots$ (6 or 15 or 20)
- (3) The diagonals are perpendicular in

(rectangle or square or parallelogram)

- Choose from column (A) to the suitable one from column (B):

(1)	The cube has edges.
(2)	If the drawing scale < 1, this expresses
(3)	The ratio between the side length of the square and its perimeter =
(4)	All of angles of the rectangle are equal

in measure and the measure each of

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min	imization
	12
	90°
	1:4

43

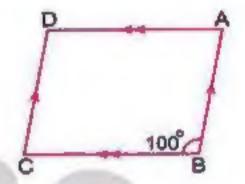


هذا العمل حصرى على موقع ذاكرولى التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

any of them =

- Put true (V) or false (X) :
 - (1) The numbers 1,2,6 and 12 are proportional.
 - (2) If the percentage of boys is 35 % from the total of the number of pupils in a class, then the percentage of girls is 20 %
 - (3) The favorite colour is a descriptive data.
 - (4) The volume of a cube of edge length 3 cm. = 9 cm?
- [a] Complete the following statements:
 - (1) If A: B = 2:3, B: C = 3:5, then A: C =::
 - (2) In the opposite figure:

ABCD is a parallelogram, then m (∠ D) =°



[b] The following table shows the marks of 50 students in one month in maths :

Marks	10 -	20 -	30 -	40 - 50	Total
Number of students	6	10	20	14	50

Complete:

- (1) The number of students whose marks are less than 20 = students.
- (2) The number of students whose marks are 40 or more students.





Some School's Examinations from Different Governorats 2020

1 Cairo Governorate

Nasr City Edu. Administration St. George's College



Answer the following questions:

1 Choose the correct answer :

(90° or 75° or 60° or 55°)

- (3) 5.7 litres = cm³ (5.7 or 570 or 5700 or 57)
- (4) 3, 4, x and 12 are proportional quantities, then $x = \dots$

(9 or 5 or 7 or 8)

(5) The two diagonals are equal in length and perpendicular in

(parallelogram or square or rectangle or rhombus)

 $(6)\frac{2}{5} = \cdots$ % (20 or 30 or 40 or 50)

(7) The range of the values 7,3,6,9 and 1 is

(8 or 1 or 7 or 0)

- (9) If the drawing length of an object is 2 cm. and the real length is 20 m., then the drawing scale is =

(1:10 or 1:100 or 1:1000 or 1:10000)

(10) If the volume of a cube = 0.125 cm³, then its edge length = cm.

(25 or 0.25 or 0.5 or 5)

(11) Ahmed drinks 21 glasses of milk weekly, then he drinks glasses of milk everyday.

(3 or 9 or 6 or 12)

(12) From the quantitative data is

(favorite colour or name or age or blood type)

(14) $\frac{1}{4}:\frac{1}{3}=\cdots$ (1:4 or 1:3 or 3:4 or 4:3)

54)



- (1) If the lower limit of the set = 10 and the upper limit = 30, then the centre =
- (2) If A: B = 1: 2 and B: C = 3:5, then A: C =:
- (3) If the drawing length < 1, this express
- (4) 3 weeks: 24 days = (in the simplest form)
- (5)1-(37%+41%)=.....
- (6) The ratio between two numbers is 7:12, if their sum is 76, then the greater number =
- (7) A cuboid is of dimensions 8 cm., 6 cm. and 10 cm., then its volume iscm³.

3 Answer the following questions:

(1) Khaled bought a flat for L.E. 150 000 After selling it, he found that the percentage of his loss was 5 % Calculate the selling price of the flat.

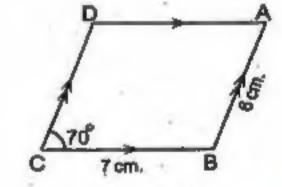
(2) A cube, the perimeter of its base is 40 cm. Calculate its volume.

(3) in the opposite figure:

ABCD is a parallelogram, in which m (∠ BCD) = 70°, AB = 6 cm. and BC = 7 cm.

Find : [a] m (∠ D)

[b] The length of each of CD and AD



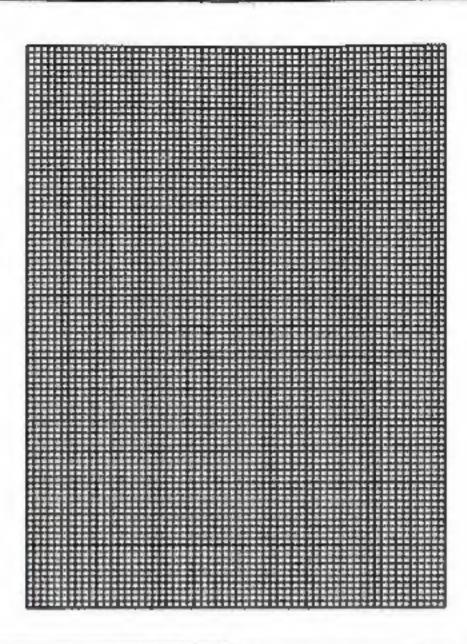
(4) The following table shows the number of hours, which are spent by 60 pupils:

Number of hours	10 -	20 -	30 -	40	50 -	Total
Mumberfolipupils.	9	13	18	12	8	60

Represent this distribution by a frequency curve.







2 Cairo Governorate

Maadi Educational Zone Victory College Maadi



Answer the following questions:

- 1 Choose the correct answer:
 - (1) If A: B = 2: 3 and B: C = 3:5, then A: C =:

(3:2 or 5:2 or 4:5 or 2:5)

(2) The following data are descriptive data except

(favorite colour or age or name or birth place)

- (3)8000 gm.: 5 kg. = (4:5 or 5:8 or 2:3 or 8:5)
- (4) If one angle of a parallelogram is right, then its called

(rectangle or rhombus or square or cube)

(5) The cuboid has faces.

(6 or 4 or 12 or 8)

(6) 1.75 = %

(75 or 0.175 or 175 or 17.5)

2 Complete:

- (1) If the drawing scale > 1, this expresses
- (2) Mona deposit L.E. 9 000 in a bank with interest 11 % per year, the amount of sum after one year = L.E.





(3) If Hazem studies 21 hours weekly	, then the rate = hours/day	1
(4) The ratio between two numbers =		

(4) The ratio between two numbers =

Choose the correct answer:

(3) The is a ratio with second term is 100

(proportion or percentage or rate or drawing scale)

(5) If $\frac{2}{3} = \frac{12}{x}$, then $x + 2 = \dots$ (16 or 20 or 18 or 36)

(6) A primary school has 540 pupils, if the ratio between the number of boys and the number of girls is 4:5, then the number of boys is

(300 or 240 or 352 or 675)

4 Complete each of the following:

(3) The range of the 7,3,6,9 and 5 is

(4) The sum of lengths of all edges of a cube is 132 cm., then its volume is

5 Answer the following:

(1) Three persons participated in a commerce, the first paid L.E. 1 500, the second paid L.E. 2 000 and the third paid L.E. 2 500, at the end of the year the loss is L.E. 1 200

Find the share of each of them from loss.

(۸: ۱) ۱ ابتدائی/تیرم ۱ (Worksheets & Examinations) ۱ ابتدائی/تیرم ۱ (م: ۸)





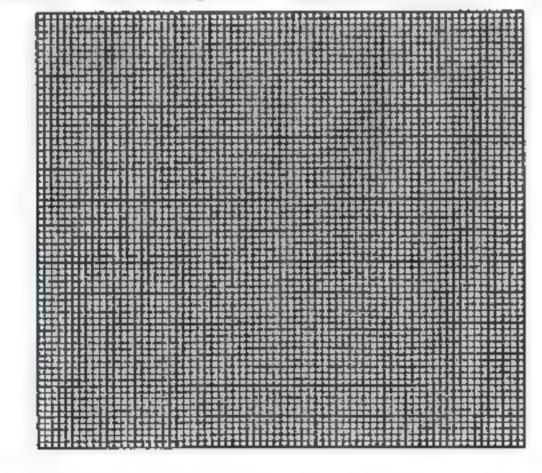
(2) 10 litres of water were poured in a vessal in the shape of a cuboid,	
its base is square of side length is 25 cm.	
Find the height of the water in the vessel.	
-4-44-44-44-44-44-44-44-44-44-44-44-44-	
•••••••••••••••••••••••••••••••••••••••	
(3) The perimeter of a rectangle is 140 cm. and the ratio between its	

dimensions is 3	: 4 Find its area.		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		*************************	********************************
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- (4) Which is greater in volume, a cuboid whose dimensions are 12 cm., 10 cm. and 8 cm. or a cube of edge length 10 cm.?
- (5) The following table shows the number of hours which spent by 40 pupils to study their lessons daily:

Number of hours	1-	2-	3 –	4-	5-6	Total
Number of pupils	6	3	8	12	11	40

Represent these data using the frequency curve.



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3 Giza Governorate

📆 Durrania Educational Zone 📆 T El-Shalud (M.M.A) Exp. Lang. Sch.



Answer the following questions:

1 Choose the correct answer :

 $(2)\frac{2}{5} = \dots \%$ (20 or 30 or 40 or 50)

(3) If a; b = 3:5 and b; c = 5:7; then a: c =

(2:3 or 3:4 or 3:7 or 8:7)

(6 or 12 or 15 or 21)

 $(4)1-25\% = \cdots$ $(\frac{3}{4} \text{ or } \frac{1}{4} \text{ or } \frac{1}{8} \text{ or } \frac{3}{8})$

(5) if the numbers 3,5,x and 20 are proportional, then $x+3=\cdots$

2 Choose the correct answer :

(2) The two diagonals are perpendicular in

(rectangle or rhombus or triangle or parallelogram)

(3) The range of the values 7,3,6,9 and 1 is

(8 or 1 or 7 or 0)

(4) The ratio between Aya's age and Eman's age is 1:6, if Aya's age is 6 years old, then Eman's age is years old. (32 or 36 or 39 or 42)

(5) If 45% of x = 90, then $x = \dots$ (20 or 100 or 200 or 300)

(6) The ratio between 15 hours and one day in the simplest form =

(1:15 or 15:1 or 8:5 or 5:8)

Complete:

- (1) The number of axes of symmetry of a parallelogram is

- (4) 12:18:36 = ···········: (in the simplest form).

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- (5) A rate is -----
- (6) 30 months: 3 years =: (in the simplest form).
- (7) If 2, x, 8 and 20 are proportional, then $x = \dots$
- (8) The drawing scale =

4 Answer the following:

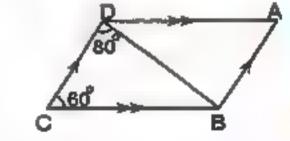
- (1) Find the cost price of goods sold for 21 275 pounds with profit percentage 15 %
- (2) A photo was taken for an insect by enlargement ratio 100: 1, if the real length is 0.8 cm. Find the length in the picture.

(3) In the opposite figure:

ABCD is a parallelogram.

Find : [a] m (∠ ADB)

[b] m (∠A)



(4) Which is greater in volume, a cube of edge length 5 cm. or a cuboid of dimensions 3 cm., 5 cm. and 7 cm.?

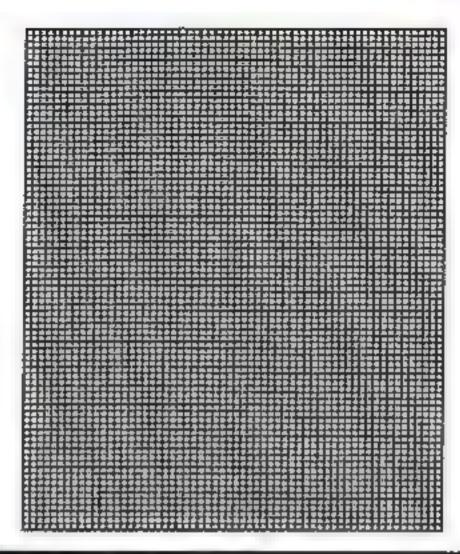
(5) The following table shows the marks of 100 students in a maths test:

Marks	10 –	20 –	30 –	40 – 50	Total
Number of students	15	30	40	15	100

Draw the frequency curve of this distribution.

60





4 Alexandria Governorate

West Educational Zone

Matha Supervision



Answer the following questions:

1 Choose the correct answer:

 $(1) \frac{1}{2}$ kg. 700 gm.

$$(< or > or = or \ge)$$

 $(2)\frac{3}{4}:\frac{5}{6}=9$:....

 $(3)\frac{7}{20} = \cdots$

(4) The parallelogram is a quadrilateral in which the sum of the measures of any two consecutive angles equals

 $(5) 4 \text{ m}^3 = \dots \text{dm}^3$

(6) If the numbers 4, x, 12, 18 are proportional, then $x = \dots$

(7) 8 hours: 3 days = 1:

(8) If $\frac{5}{8} = \frac{15}{x}$, then $x = \dots$

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100

Final Examinations

(11) The cuboid has six faces each of them is

(a rectangle or a square or a rhombus or a cube)

- 2 Complete each of the following:
 - (1) The volume of a cube of edge length 4 cm. = cm³.

 - (3) The ratio between the circumference of the circle and its diameter length

 - (5) In the opposite figure:

ABCD is a parallelogram

, then m (∠ ACD) = ·········· °



(7) The drawing length =

(8) The maximum mark - The minimum mark =

3 Answer the following:

(1) If the ratio between the weight of Hani and the weight of Ahmed is 5:6, if the weight of Ahmed is 60 kilograms.
Calculate the weight of Hani.

(2) If Hazem studies 21 hours weekly, then find the rate of his studying daily.

(3) A cuboid of volume is 2 128 cm³, its height is 14 cm. Find the area of its base.

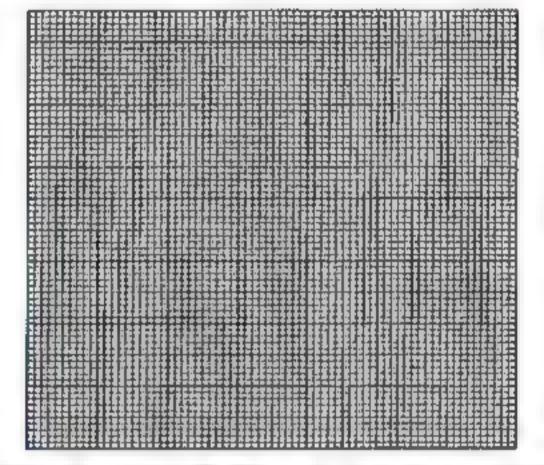
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- (4) A swimming pool in the shape of a cuboid, whose internal dimensions are 40 m., 30 m. and 1.8 m. Find its capacity in litres.
- (5) The following table shows the number of hours which spent by 40 pupils to study their lessons daily :

Number of hours	1-	2-	3-	4 –	5-6	Total
Number of pupils	6	3	8	12	11	40

Represent these data using the frequency curve.



5 El-Kalyoubia Governorate

Banha Educational Zona: Matha Supervision: 1.



Answer the following questions:

- 1 Choose the correct answer :
 - (1) If A: B = 2:3, B: C = 3:5, then A: C = ·····

(3:5 or 2:5 or 5:3 or 5:2)

(2) if
$$\frac{4}{6} = \frac{12}{x}$$
, then $x + 2 = \dots$ (16 or 18 or 20 or 22)

(0.08 L./km. or 0.8 L./km. or 8 L./km. or 80 L./km.)





(5) If the real length of an insect is 0.3 mm. and its length in a picture 4.5 cm., then the drawing scale =

(1:15 or 1:150 or 150:1 or 15:1)

- $(6)\frac{3}{10} = \dots$ (300% or 40% or 30% or 0.3%)
- (8) In the opposite figure:

ABCD is parallelogram

, then m (∠ ACD) =



(9) A cube, the sum of lengths of all edges is 132 cm.

, then its volume = ·····

(65% or 55% or 75% or 35%)

(11) The following data are descriptive data except

(favorite color or age or birth place or blood species)

(12) If the numbers 9, 21, 3, x are proportional, then $x = \cdots$

(9 or 8 or 7 or 6)

Complete the following:

- (2) The range of the set of values 50,25,35,20 is
- (3) An agricultural tractor ploughs 28 feddans in 4 hours, the time which need to plough 42 feddans is hours.
- (4) The ratio between child's age and his father is 1: 10 and the age of child is 6 years, then the father's age = -----years.
- (6) If one angle in a parallelogram is right, then it is called
- (7) 2.65 litres = $dm^3 = cm^3$
- (8) 16 kirats : 1 feddan = ···· : ········ (in the simplest form)

coldina ja

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the second paid L.E. 8 000 At the end of the year, the profit was L.E. 3 900 Calculate the share of each of them from the profit.

(1) Two persons started a commercial business, the first paid L.E. 5 000 and

(2) A building worker used 1 500 bricks to build a wall, ca	alculate the volume of
the wall in m3 if the brick is in the shape of a cuboid of	dimension 25 cm. ,
12 cm. , 6 cm.	

- (3) An auto fair owner bought a car for L.E. 45 000, then he spent L.E. 5 000 for repairing it, then he sold it for L.E. 55 000 Calculate:
 - [a] The profit after selling.[b] The percentage of profit.

- (4) 10 litres of water were poured in a vessel in the shape of a cuboid its base is a square of side length is 25 cm. Find the height of water in the vessel.
- (5) The following table shows the number of hours which spent by 40 pupils to study their lessons:

A Number of Anguise	1-	2-	3-	4-	5-6	Total
Number of autilis	6	Х	8	12	11	40

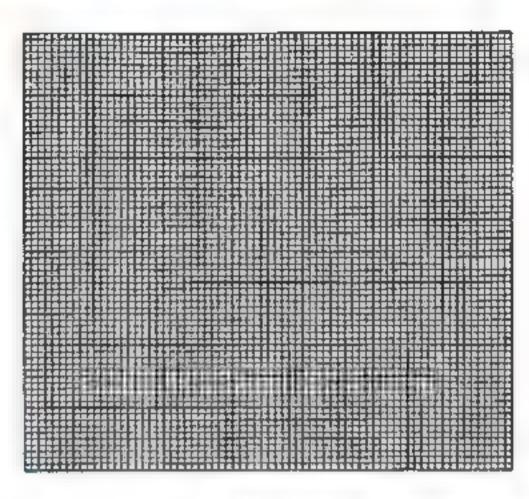
[a] Find the value of X

(۱ : ۴) ۲ ابتدائی/تیرم (Worksheets & Examinations) ۲ ابتدائی/تیرم (۱۹ : ۴)





[b] Represent these data using the frequency curve.

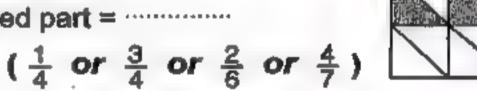


6 El-Sharkia Governorate Bollete Educational Administration



Answer the following questions:

- 1 Choose the correct answer:
 - (1) The fraction that represents the shaded part =



(3) If
$$\frac{4}{6} = \frac{8}{x}$$
, then $x + 2 = \dots$

(4) The ratio between 15 hours , one day =

- (6) All of the following data are quantitative except

(8) The range of the values 29, 33, 57, 40, 36 is



caldimo/a

66

(9) If 10 A , 2 , 2 A , B are proportional , then B =

(0.2 or 0.4 or 0.5 or 0.3)

(10) If x, 16, 6, 8 are proportional, then $x = \dots$

(1 or 6 or 8 or 12)

(11) 6.5 L. = \dots dm³

(56 or 6.5 or 5600 or 56000)

(12) If a car covered 180 km. in three hours, then the velocity of this car = km./hr.

(80 or 60 or 50 or 20)

Complete the following:

(13) $\frac{5}{4}$: 2 = (in the simplest form)

(14) If the lower limit of the set = 10 and the upper limit = 30, then its centre =

(15) The ratio between the width and the length of a rectangle is 3:4, then length : perimeter =

(16) An amount of money is divided between two persons in the ratio 5 : 6 , then what the first took = the total.

(17) 1 - (24 % + 35 %) = ---- %

(19) Discover the pattern and write the description of

(20) The range of values (6,2,7,x) is 9, then $x = \dots$

Answer the following questions:

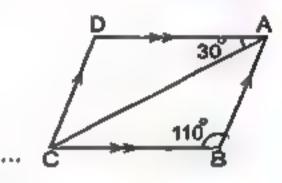
(21) In a school, if the number of students is 560 students, if the number of girls 볼 of boys , find the number of each of boys and girls.

(22) Ahmed drew a picture of his brother Osama by drawing scale 1:40 , if the real length is 160 cm. Find the drawing length.



(23) A cube of cheese, its edge length is 15 cm., it is wanted to be divided it into small cubes, the edge length of each is 3 cm. for presenting them through meals. Calculate the number of the resulting small cubes.

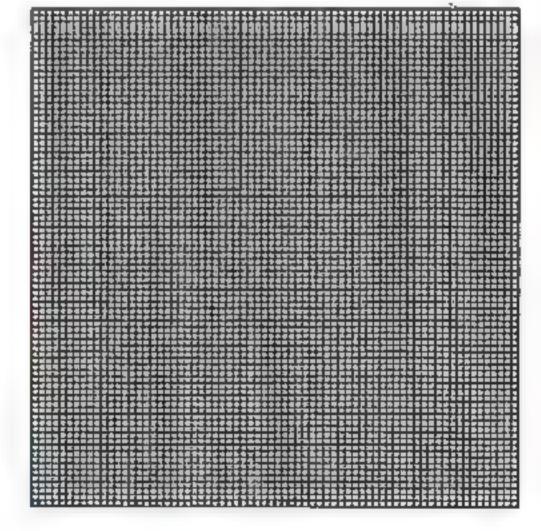
(24) The opposite figure shows a parallelogram in which m (∠ B) = 110° and m (∠ DAC) = 30° Find : m (∠ D) , m (∠ BAC) and m (∠ ACD)



(25) The following table shows a sample of patients who suffer from a certain disease in a hospital due to the hours which were spent till they became healthy:

							4	
h Number of thous	1-	2-	3-	4-	5-	6-	Total	
Number of patients	7	11	15	6	4	2	45	

Represent these data by a frequency curve.



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7 El-Monofia Governorate Shiben El-Kom Educational Directorale



Answer the following questions:

I 1	Choose	the	correct	answer
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(1) The following data are descriptive data except

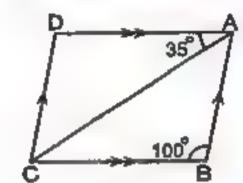
(favorite color or age or birth place or blood species)

(2) in the opposite figure:

ABCD is parallelogram

, then m (∠ ADC) =

(35° or 45° or 100° or 135°)



(3) If the numbers 3,5,x and 20 are proportional, then $x = \cdots$

(6 or .12 or · 15 or 21)

(rectangle or square or mombus or cube)

(5) If an agriculture tractor ploughs 28 feddans in 4 hours, then the time needed to plough 42 feddans is hours. (4 or 6 or 7 or 8)

 $(6)\frac{5}{4}:3\frac{1}{4}=$ (5:13 or 1:3 or 3:1 or 5:9)

(2 or 8 or 12 or 24)

(9) The ratio between 250 grams and $\frac{1}{2}$ kg. =

(2:1 or 2:3 or 1:2 or 3:2)

(500 or 400 or 300 or 200)

(11) In the opposite figure:

The number of parallelograms which can be obtained is



(12) The following in this pattern $\triangle \bigcirc \Box \triangle \bigcirc \bigcirc$ is ...

 $(\triangle \text{ or } \bigcirc \text{ or } \square \text{ or } \bigcirc)$





2 Complete:

- (1) 1/4 =%
- (2) If the dimensions of cuboid are equal in length, then it is called a
- (3) The range of the set of the values 7,3,15 and 8 is
- (4) The ratio between the side length of the square and its perimeter
- (5) If $\frac{4}{6} = \frac{12}{x}$, then $x 2 = \cdots$
- (6) 1 500 dm³ = ······ litres
- (8) If A: B = 2:3, B: C = 3:5, then A: C =::

Answer the following:

(1) Heba bought a vacuum cleaner for 220 pounds with a discount 20 % Calculate the price before discount.

(2) If the ratio between Hadir's weight and Basma's weight is 5: 6 and the difference between their weights is 10 kg. Calculate the weight of each of them.

(3) In a metallic cube whose edge length is 12 cm. we want to melt and convert it to a number of cuboid alloys of dimensions 3 cm. , 4 cm. and 6 cm. Calculate the number of alloys which can be obtained.

(4) A container has 12 litres of oil. We need to distribute it on small bottles with each one of the capacity 400 cm² Calculate the number of the needed bottles.

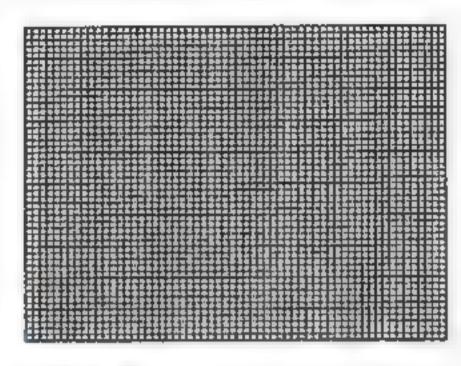
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70

(5) The following table shows the marks of 100 pupils in mathematics:

Marks -	10 -	20 –	30 -	40 50	Total
No of pupils	15	40	30	15	100

Draw the frequency curve for this distribution.



8 El-Gharbia Governorate El-Gharbia Educational Directorate



Answer the following questions:

1 Choose the correct answer:

(1) if
$$\frac{4}{6} = \frac{12}{x}$$
, then $x + 2 = \dots$ (16 or 18 or 20 or 22)

(2) The following data are descriptive data except

(3) The volume of a cube is 27 cm³, then the perimeter of its base equals cm.

(4) The ratio between the circumference of the circle and its diameter length $= \dots = (\pi:1 \text{ or } 2\pi:1 \text{ or } 1:4 \text{ or } \pi:d)$

(6) If the range is 40 and the length of the set is 5, then the number of sets

(5 or 6 or 7 or 8)

(8)
$$1 - (35\% + 25\%) = \cdots$$
 ($\frac{1}{2}$ or $\frac{1}{3}$ or $\frac{2}{5}$ or $\frac{3}{4}$)





(9) The diagonals are perpendicular and have the same length in the

(square or rectangle or trapezium or parallelogram)

(10) 1.45 litres + 0.5 dm³ = litres. (1.5 or 1.95 or 1.55 or 6.5)

(11) The percentage is a ratio , which its second term is

(10 or 100 or 1000 or 10000)

(12) How many bottles of 750 mL. each can be filled with 30 litres of water?

(4 or 40 or 400 or 4000)

(13) $\frac{1}{8}$ day: 6 hours: $\frac{1}{2}$ day =::

(1:2:6 or 1:2:4 or 1:2:3 or 3:2:1)

(14) 12 % of 500 kg. = ····· kg.

(40 or 50 or 60 or 70)

Complete the following:

- (16) 16 kirats : 1 feddan = : (in the simplest form)
- (17) 2.65 litres = dm³.
- (18) 7 = ···· %
- (20) If the sum of lengths of all edges of a cube is 132 cm., then its volume =cm³
- (21) If the real length of an insect is 0.3 mm, and its length in a picture is 4.5 cm.

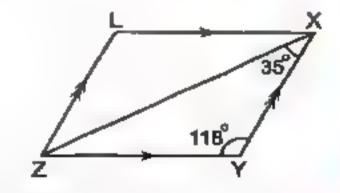
 then the drawing scale =:
- (22) If Hassan spends L.E. 45 within three days , then the rate of what Hassan spends per day is

3 Answer the following:

(23) In the opposite figure:

XYZL is a parallelogram in which $m (\angle Y) = 118^{\circ}$, $m (\angle YXZ) = 35^{\circ}$

Find: m (∠ L) , m (∠ LXZ)



72



(24) A metallic cube of edge length 12 cm. , it needs to be convened into ingots
in the shape of cuboid each of them of dimensions 3 cm. , 4 cm. and 6 cm.
Calculate the number of ingots that are obtained.

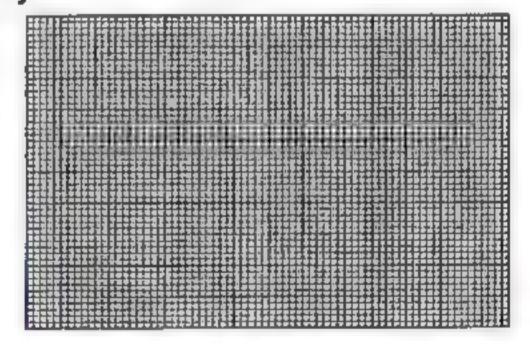
4144
(25) Three persons shared in business. The first paid 15 000 pounds, the second
paid 25 000 pounds and the third paid 20 000 pounds. At the end of the year
the net profit was 5 520 pounds. Calculate the share of each of them.
*:p::*********************************

<pre>4************************************</pre>
(26) The following table shows the marks of 100 students in one month in maths :

Draw the frequency curve for this distribution.

20 -

15



30 -

30

9 El-Dakahlia Governorate

Number of students

Mathe Supervision

40 -

40



Total

100

50 -

15

Answer the following questions:

- 1 Choose the correct answer :

 - (2) minimizer is a ratio between two different quantities.

(Ratio or Proportion or Rate or Drawing scale)

المحالطور ریاضیات لفات (Worksheets & Examinations) / ۲ ایندائی/تیرم ۱(۴ ، ۱۰)

(73



$$(3)\frac{x}{5} = 60\%$$
, then $x + 3 = \cdots$ (3 or 6 or 600 or 30)

$$(4)\frac{1}{2}:\frac{3}{4}:\frac{2}{3}=\cdots$$
 (6:8:9 or 8:9:6 or 9:6:8 or 6:9:8)

(5) If the drawing scale > 1, then this expresses

(6) If the number of sets is 8 and length of set is 5, then the range =

(7) 20 % of a number = % of half the same number.

(8) Volume of a cube whose sum of edge lengths of two adjecent faces is 56 cm. iscm³. (512 or 7 or 8 or 343)

(9) Parallelogram with equal diagonals in length is called

(11) All of the following data are descriptive except

(12) A car consumes 4 litres of fuel to cover distance 100 km., then the rate of consumption is litre per km. (25 or 0.4 or 0.04 or 400)

2 Complete:

- (1) In parallelogram ABCD → m (∠ A) + m (∠ C) = 140° → then m (∠ B) = ···········°
- (2) The volume of cuboid with dimensions 10 cm., 8 cm. and 7 cm. = cm.
- (3) Age, birth date and weight are called data.
- (4) 1.5 litre + 0.35 dm³ + 150 cm³ = cm³
- (5) If A = 1/2 B, then B: A = %
- (6) (in the same pattern)
- (8) The area of a triangle = ······



3	Answer the following :
	(1) If the number of pupils in a school is 630 pupils, if the ratio between the number of boys and the number of girls is 5:4 Find the number of each.
	<pre></pre>
	(2) A map is drawn with scale 1: 400 000 , if the distance between two cities is
	12 km. Find the distance between them on the map.
	(3) A trader bought a TV set by L.E. 4 500 and sold it with profit 10 % Find the selling price.
	> 14 P + 2 P

	(4) A box in a cuboid shape with square base its side length is 40 cm. and height 30 cm. is filled by bars of soaps in a cuboid shape with dimensions 6 cm.
	4 cm. and 5 cm. Find the greatest number of soaps can be put in the box.
	#14-** **P********************************

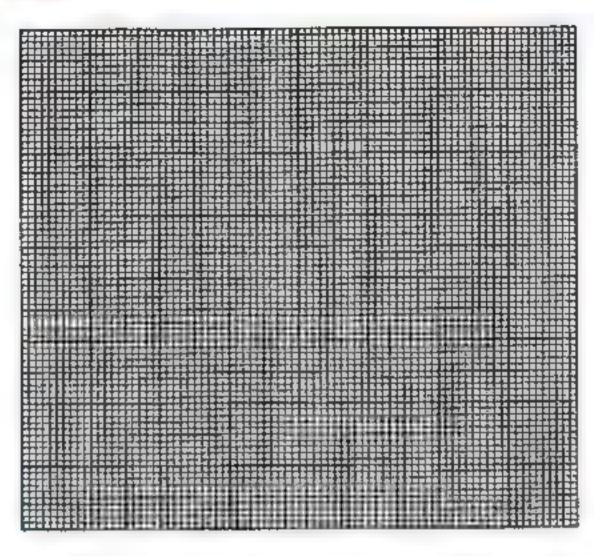
(5) The following table shows the number of hours which 50 pupils spend to study their lessons daily:

Number of hours 1 -	3-	5 –	7-	9 – 11	Total
Number of pupils 6	10	14	12	8	50

Represent these data by using a frequency curve.

75





10 Ismailia Governorate

South Ismailia Educational Zone - Suez Canal Language School :



Answer the following questions:

11 Choose the correct answer :

(1) If A: B = 2:3, B: C = 3:5, then A: C =

(2:5 or 3:6 or 2:3 or 5:2)

(2) If $\frac{2}{5} = \frac{x}{15}$, then $x = \dots$

(2 or 5 or 6 or 15)

(3) The following data are descriptive data except

(favorite colour or age or birth place or blood species)

(4) If the number 2.7.x and 21 are proportional, then $x = \cdots$

(6 or 21 or 12 or 7)

(5) If the real length of a tree is 6 m. and its drawing, length is 3 cm., then the drawing scale =:

(1:100 or 1:200 or 1:300 or 1:600)

(6) $0.3 \text{ m}^3 = \dots \text{dm}^3$

(3 000 or 300 or 30 or 3)

(7) If the volume of a cuboid equals 315 cm³, its base with length 9 cm. and width 7 cm., then its height = cm. (7 or 5 or 63 or 45)

(8) The two diagonals are equal in length and perpendicular in

(rectangle or rhombus or triangle or square)

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 $(9)\frac{4}{5} = \dots \%$ (50 or 60 or 70 or 80)

(10) If Hany drinks 21 glasses of milk weekly, then he drinks glasses of milk every 3 days.

(3 or 6 or 9 or 12)

 $m(\angle D) = \cdots$ (100 or 60 or 80 or 70) C

2 Complete:

- (1) The range of the set of values 7,3,6,9 and 5 is
- (2) If the drawing scale < 1, then this expresses
- (3) A cuboid of dimensions 5 cm. , 6 cm. and 2 cm. , its volume is cm³
- (4) 1.5 litres + 0.5 dm 3 + 500 cm 3 = litres.

ABCD is a parallelogram, then:

- (5) 1 (15 % + 45 %) = %
- (6) $\frac{1}{4}:\frac{1}{3}:\frac{1}{2}=\cdots$ (in the simplest form)
- (7) The number of pupils in a primary school is 360 pupils, if the ratio between the number of boys and the number of girls is 1:2, then the number of boys =
- (8) If the edge length of a cube = 4 cm. , then the volume = cm³

3 Answer the following:

(1) If the buying price of electric sets is L.E. 72 000 and sold at 12 % profit. Calculate the selling price.



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second paid 25 000 pounds and the third paid 20 000 pounds, at the end
of the year the profit was 5 520 pounds. Calculate the share of each of them.
*

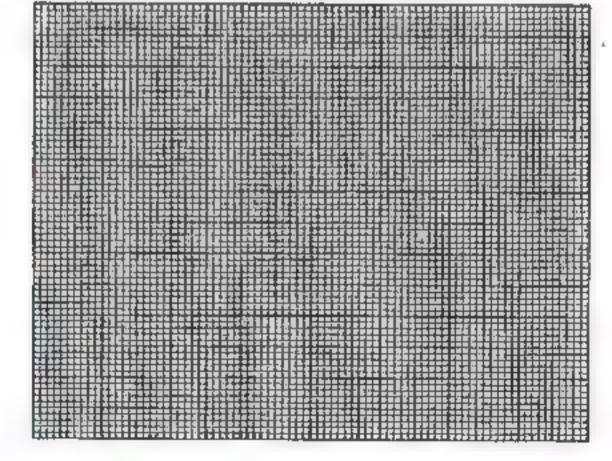
(2) Three persons started a business, the first paid 15,000 pounds, the

(3) 10 litres of water were poured in a vessel in the shape of a cuboid its base is a square base of side length 25 cm. Find height of the water in the vessel.

(4) The following table shows of money in pounds paid by a group of contributors in a charity:

The sum	50 —	60 –	70 –	80 –	90 –	100
Number of contributors	5	7	10	12	10	7

Draw the frequency curve of this distribution.



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11 Suez Governorate

South Educational Directorate

Mathe Inspection



Answer the following questions:

1 Choose the correct answer:

$$(1)\frac{2}{5}:\frac{7}{2}=\cdots\cdots:$$
 (5:7 or 4:35 or 2:7 or 5:2)

(8) If
$$\frac{x}{5}$$
 = 40 %, then $x = \dots$ (2 or 4

(10)
$$\frac{3}{4} = \dots \%$$
 (25 or 50 or 57 or 75)

2 Complete the following:





- (5) The two diagonals are equal in length in each of
- (6)6,8,3, (Complete the missing number to be proportional)
- $(7)\frac{1}{2}:\frac{1}{3}=\cdots$ (in the simplest form)
- (8) Cuboid of volume is 1 400 cm³, its height is 14 cm., the area of its base

3 Answer the following questions:

- (1) Hassan spends L.E. 45 within 3 days , what is the rate of what Hassan spends per day?
- (2) A vessel in the shape of a cube with edge length 30 cm. is filled with honey.

 Calculate the capacity of the vessel.
- (3) In one of our schools, there are 560 students, if the number of girls is $\frac{3}{5}$ the number of boys. Find each of the number of boys and girls.

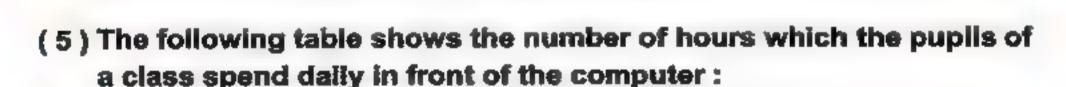
(4) In the opposite figure:

ABCD is a parallelogram in which

$$AB = 5 \text{ cm.}$$
, $BC = 7 \text{ cm.}$

Without using geometrical instruments

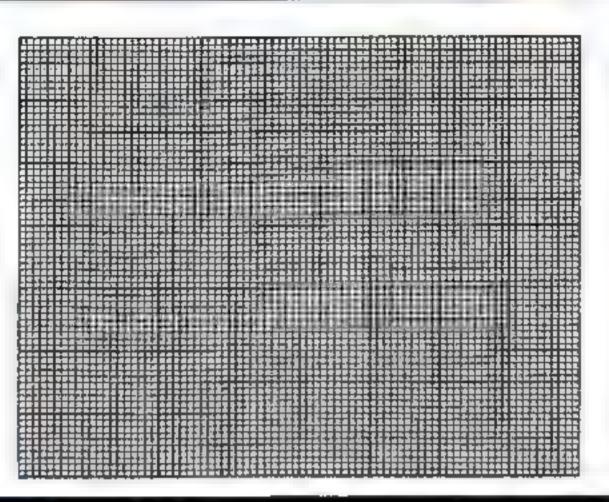
, find m (\angle ADC) and the perimeter of \triangle BCD



Number of hours	-1	-2	-3	-4	- 5	-6	Total
Number of pupils	8	10	12	6	4	2	42

Represent these data by a frequency curve.





Port Said Governorate



Answer the following questions:

Choose the correct answer:

 $(1)\frac{2}{3}:3\frac{1}{3}=\cdots$

(1:2 or 1:3 or 2:3 or 1:5)

(2) The centimetre cube is a unit of measuring the

(length or area or volume or weight)

(3) 18 kirats: 2 feddans = (1:2 or 3:8 or 1:24 or 18:2)

(4) If Heba bought a mobile phone for 900 pounds with a discount 10 %, then the price of the mobile phone before the discount is pounds.

(9000 or 1000 or 990 or 100)

(5) If the drawing scale < 1, this expresses

(equality or maximization or enlargement or minimization)

(6) A wooden box in the form of a cube , its external volume is 1 000 cm³ and its capacity is 729 cm³, then the volume of wood of the box = cm³

(0.729 or 1729 or 271 or 729000)

(7) The diagonals are perpendicular in

(rectangle or trapezoid or rhombus or parallelogram)

(1:2 or 1:3 or 4:1 or 1:4)

(۱۱ ه)۲ ریاضیات لغات (Worksheets & Examinations) / ۱ ایتکائی/تیرم ۱۱ (۱۲)



هذا العمل حصري على موقع ذاكرولي التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تَفْضَل بِزِيَارَة موقعنا على الانترنت https://www.zakrooiy.com لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت

(10 or 20 or 30 or 60)

(10) $1\frac{3}{4} = \cdots \%$

(25 or 50 or 75 or 175)

(11) If one angle of parallelogram is right, then it is called

(rectangle or trapezoid or rhombus or rhombus)

(12) The following data are descriptive data except

(age or birth place or blood species or favourite colour)

Complete the following :

- (1) The range of the set of values 8,1,9,11 and 7 is
- (2) The agricultural tractor ploughs 28 feddans in 4 hours, then the time which needed to plough 42 feddans is hours.
- (4) 5 000 grams: 8 kilograms = (in the simplest form).
- (6) A cube of edge length 5 cm., then its volume = cm?
- (7) If $\frac{2}{5} = \frac{x}{20}$, then $x = \dots$
- (8) If the volume of a cuboid is 64 cm³ and the area of its base is 16 cm², then its height = cm.

3 Answer the following:

(1) in the opposite figure:

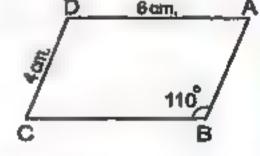
ABCD is a parallelogram , find :

[a] m (∠ D)

[b] m (∠ A)

[c] The length of AB

[d] The perimeter of the shape ABCD



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(2) If the buying price of electric sets	s is L.E. 72 000 and sold at 1	5 % profit.
Calculate the selling price.		

(3) A cuboid tin with inner dimensions 2 dm., 3 dm. and 4 dm. was full of honey.

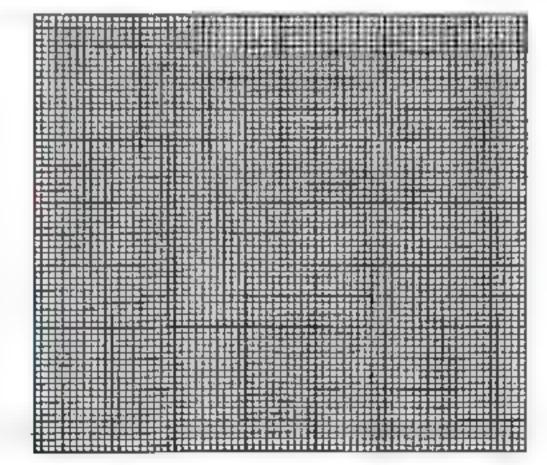
Calculate the price of honey, given that the price of one litre is L.E. 20

(4) In one of our schools, there are 1 000 students, if the ratio between the number of boys and the number of girls is 2:3, find each of the number of boys and girls.

(5) The following table shows the marks of 50 students in one month in maths :

Marks	10 -	20 –	30 -	40 – 50	Total
Number of students	6	10	20	14	50

Represent these data by the frequency curve.



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Kafr El-Sheikh Governorate Malla Inspection



Answer the following questions:

Choose the correct answer between brackets:

- (1) If the values in the frequency distribution lies between (40,90), then the (130 or 50 or 80 or 180) range of this distribution =
- (2) If $5 \cdot 6 \cdot x$ and 12 are proportional numbers , then $x = \dots$

(8 or 12 or 5 or 10)

(3) An agricultural machine ploughs 17 feddans in 8.5 hours, then the rate of performance of the machine = feddans/hour

(2 or 4 or 2.5 or 4.5)

(4) If a: b = 50 % and b: c = 2:3, then a: c =

(1:2 or 2:3 or 2:6 or 3:1)

- (5) If the volume of a cuboid equals 360 cm³, its length is 9 cm, and its width is 8 cm. , then its height = ····· cm. (5 or 40 or 48 or 72)
- (6) If one angle of the parallelogram is right angle, and has two adjacent sides are equal in length , then it is called

(trapezium or square or rectangle or rhombus)

(4:1 or 1:4 or 1:3 or 1:6)

(8) If the drawing scale < 1, then it expresses

(enlargement or congruency or reduction or equivalent)

(9) $4.250 \text{ cm}^3 = \dots \text{ mm}^3$ (4 250 or 42.5 or 0.425 or 4.25)

(10) $3\frac{4}{7}:3\frac{1}{8}=\cdots$ {7:8 or 8:7 or 1:4 or 1:1}

(11) If the price of some goods is L.E. 256 and if the price became L.E. 192 during the discount, then the percentage of the discount equals

(16% or 75% or 33% or 25%)

(90 or 108 or 180 or 360)

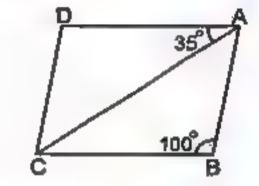


هذا العمل حصري على موقع ذاكرولي التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooiy.com لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت

Complete each of the following:

(13) Emad sold a flat with profit 5 % , if his profit was L.E. 7 500 , then the selling price of the flat is L.E.

(14) 32 % + 27 % + % = 1



- (18) The volume of a cuboid is 64 cm³ and the area of its base is 16 cm², then its height = cm.

(19) The following figure in the pattern is is is is is is is in the pattern is in t

Marks	10 –	20 –	30-40
Number of students	10	13	17

3 Answer the following :

(21) A cube of cheese with edge length 15 cm., it is wanted to divide it into small cuboids each of dimensions 3 cm., 5 cm. and 1 cm. Find the number of resulting small cuboids of cheese.

(22) The ratio between the measures of two consective angles in a parallelogram

is 4.5 Find the measure of each of the	

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هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره فى أى مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zzkrooly.com

(23) Three persons shared in a business, the first paid L.E. 60 000, the second paid L.E. 80 000 and the third paid L.E. 90 000 At the end of the year the profit was L.E. 20 700 Find the share of each one.

(24) In the opposite figure:

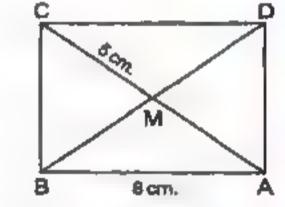
ABCD is a rectangle in which AB = 8 cm.

and MC = 5 cm. Find:

[a] Length of AM

[b] Length of DB

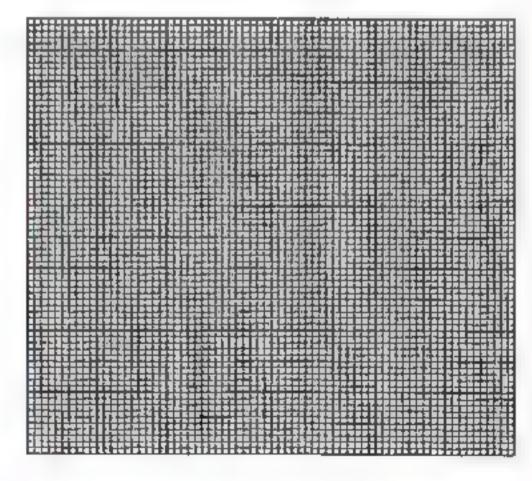
[c] Perimeter of A AMB



(25) The following table shows the marks of 30 pupils in mathematics :

Marks	10 –	20 -	30 -	40 —	Total
Number of students	5	7	10	8	30

Draw the frequency curve for this distribution.



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هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

14 El-Beheira Governorate Rashid Educational Zone



Answer the following questions:

1 Choose the correct answer :

(1)
$$1\frac{3}{4} = \dots$$
 % (25 or 50 or 75 or 175)

(2) If 6, 8, 3 and
$$x$$
 are proportional numbers, then $x = \dots$

$$(4)\frac{1}{2}:\frac{1}{3}=\cdots$$
 (1:1 or 2:3 or 3:2 or 3:1)

(6) The diagonals are perpendicular and equal in length in

(8) The percentage is a ratio which its second term is

(9) The volume of a cube of edge length 3 cm. = cm.3

(11) If the ratio between the weight of Hani and the weight of Ahmed is 5 : 6 and the weight of Ahmed is 60 kg. , then the weight of Hani = kg.

(12) The opposite data are quantitative data except ------

(87



هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

2 Complete	the following:
------------	----------------

- (13) The proportion is
- (14) 3 000 gm. : 5 kg. = : (in the simplest form)
- (15) If the drawing scale < 1, then this expresses
- (16) The following figure in this pattern isis
- (17) The volume of a cuboid with a squared base of side length 6 cm. and its height is 10 cm. = cm.3
- (19) A computer colour printer prints 12 papers each 4 minutes , then the rate of work of this printer = papers/minutes
- (20) The range of the set of values 7,3,6,9 and 5 is

Answer the following:

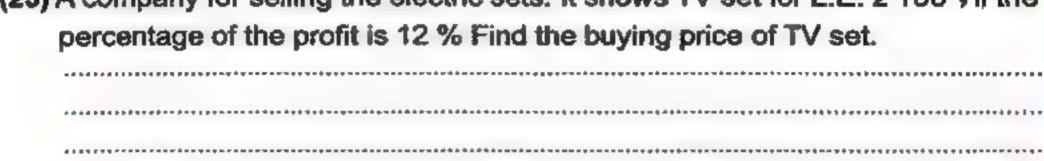
(21) A primary school has 540 pupils. If the ratio between the number of boys to the number of girls is 4:5, calculate the number of each boys and girls.

(22) in the opposite figure:

ABCD is a parallelogram in which AB = 6 cm.

Find:





88

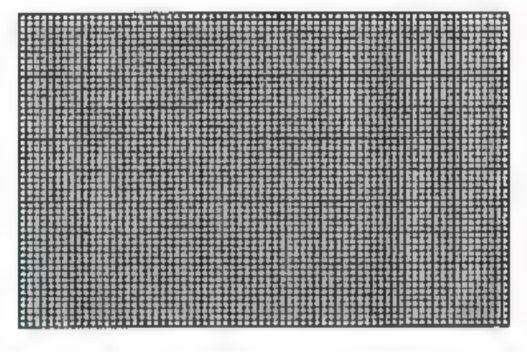


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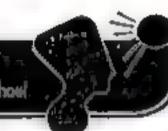
- (24) A container has 12 litres of honey. It is wanted to put them in smaller bottles , the capacity of each of them is 400 cm. Calculate the number of bottles which is needed for that.
- (25) The following table shows the marks of students in one month in math:

Marks	10 -	20	30 –	40 50	Total
Numbers of students.	5	15	20	10	50

Represent these data using the frequency curve.



El-Menia Governorate Kafr El-Managrali Formal Languages Printary School



Answer the following questions:

1 Choose the correct answer:

(1) if
$$3a = 4b$$
, then, $\frac{a}{b} = \dots$ ($\frac{3}{4}$ or $\frac{2}{3}$ or $\frac{4}{3}$ or $\frac{3}{2}$)

(2) If
$$\frac{4}{6} = \frac{12}{x}$$
, then $x + 2 = \dots$ (16 or 18 or 20 or 22)

(4)
$$1 - (35\% + 25\%) = \cdots$$
 ($\frac{1}{2}$ or $\frac{1}{3}$ or $\frac{2}{5}$ or $\frac{3}{4}$)



هذا العمل حصرى على موقع ذاكرولى التعليمي ولا يسمح بنشره في أي مواقع أخرى المناهدة العمل حصري على موقع ذاكرولي الانترنت https://www.zakrooly.com لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت

(8) $\frac{1}{6}$: 3 $\frac{1}{3}$ in the simplest form is

(1:20 or 2:15 or 2:5 or 1:5)

- (12) The following data are descriptive except

(favourite colour or age or birth place or name)

Complete the following statements:

- (1) If the real length of an insect is 0.3 mm. and its length in a picture is 4.5 cm. then the drawing scale = -----:
- $(2)\frac{3}{10} = \dots \%$
- (4) If A: B = 2:3 , B: C = 3:5 , then A: C =::

(in the simplest form)

- (5) 39 days ~ week. (to the nearest week)
- (6) The sum of all edges of a cube is 24 cm., then its volume =cm³.
- (8) The range of the set of values 7,3,6,9 and 5 is

Answer the following questions:

(1) If the buying price of electric sets is L.E. 72 000 and sold at 12 % profit Calculate the selling price.

(2) If the ratio among the measures of the angles of a triangle is 2:3:4

Find the measure of the greatest angle in this triangle.

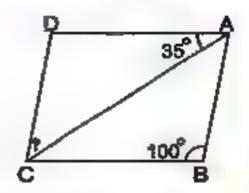
90



هذا العمل حصرى على موقع ذاكرولى التعليمي ولا يسمح بنشره في أي مواقع أخرى المنادد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

(3) In the opposite figure:

ABCD is a parallelogram in which • m (\angle B) = 100° • m (\angle DAC) = 35° Find : m (\angle ACD)

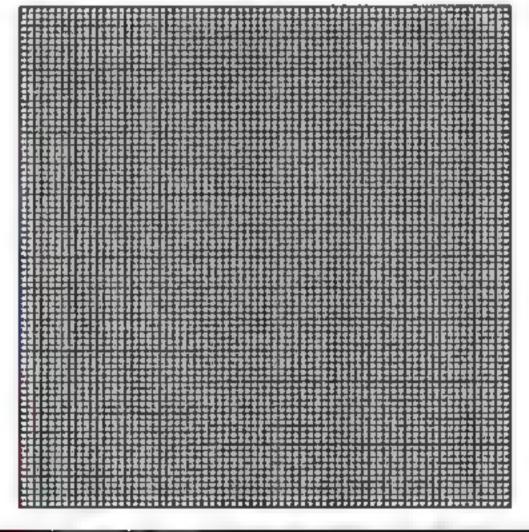


(4) A cuboid tin with inner dimensions 2 dm., 3 dm. and 4 dm. was full of honey. Calculate the price of honey, given that the price of one litre is L.E. 20

(5) The following table shows the marks of 100 students in one month in math test:

Marks	10 -	20 –	30 –	40 – 50	Total
Number of students	15	30	40	15	100

Draw the frequency curve of this distribution.



16 Souhag Governorate

Maths Supervision



Answer the following questions:

1 Choose the correct answer :

(1) If a: b = 2:3 , b: c = 6:7 , then a: c =

(7:4 or 4:7 or 12:7 or 6:7)





هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره فى أى مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

(2) The range of the values 7,3,6,15 and 10 is

(4 or 7 or 12 or 15)

- (3) If $\frac{x}{9} = \frac{4}{3}$, then $x + 2 = \dots$ (
 - (12 or 14 or 16 or 20)
- (4) 1 (35 % + 25 %) =
- $(\frac{1}{2} \text{ or } \frac{1}{3} \text{ or } \frac{2}{5} \text{ or } \frac{3}{4})$
- (5) The ratio between 3 feddans: 24 kirats =
 - (3:2 or 3:1 or 1:8 or 1:4)
- (6) The number of parallelograms in the opposite figure is



- (9) A cube of volume 125 cm³, then the area of its base =

(25 cm² or 25 cm. or 5 cm² or 5 cm.)

(10) The following data are descriptive except the

(favourite colour or birth place or age or blood species)

(2 or 4 or 3 or 5)

(11) In the opposite figure:

The number of trapezoids is



(12) 23 cm³ = litres.

(0.23 or 2300 or 0.023 or 230)

Complete each of the following:

- (1) $\frac{1}{4}:\frac{1}{3}:\frac{1}{2}=\cdots$ (in the simplest form)
- (2) If the drawing scale > 1, then this expresses
- (3) \(\triangle \triangle
- (4) The difference between the maximum value and the minimum value is called
- (5) The number of edges of a cube = edges.
- (6) Area of the square = side length ×
- (7) 300 mm³ = cm³
- (8) From the properties of the proportion, the product of the extremes = the product of the





هذا العمل حصرى على موقع ذاكرولى التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zzkrooly.com

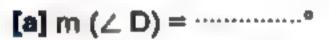
3 Answer the following questions:

- (1) A metallic cube of edge length 12 cm., it needs to be converted it into ingots in the shape of cuboid each of them of dimensiona 3 cm., 4 cm. and 6 cm. Calculate the number of ingots that are obtained.
- (2) The ratio among the lengths of the sides of a triangle is 2:3:4 and the preimeter of the triangle = 36 cm.
 Calculate the length of each side of the triangle.

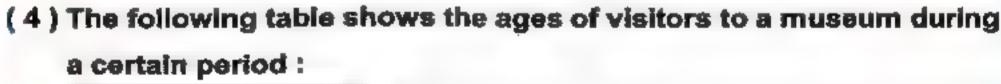
(3) In the opposite figure:

ABCD is a parallelogram in which

AB = 5 cm. $_{\circ}$ BC = 6 cm. m (\angle B) = 100° and m (\angle DAC) = 35° , without using measuring tools , find :



[c] The perimeter of the parallelogram ABCD = cm.



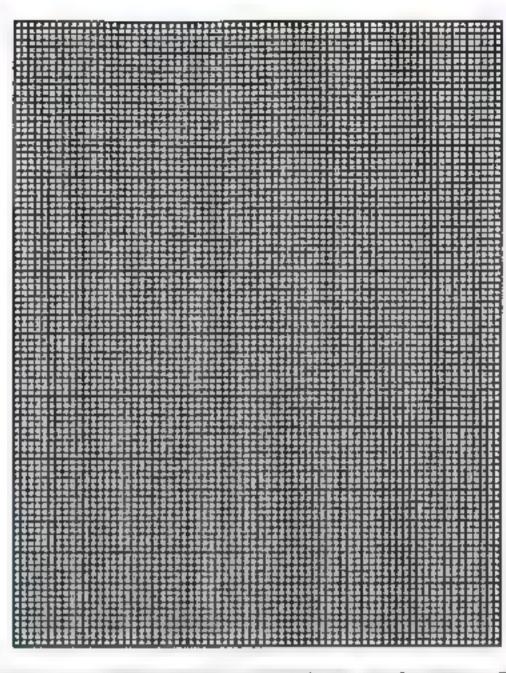
Visitors age	10 –	20 –	30 -	40 -	50 -	Total
Efequency	7	10	15	20	13	65

Draw the frequency curve for this distribution.





هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com



17 Qena Governorate

Matha Supervision



Answer the following questions:

- Complete each of the following:
 - (1) 30 days = weeks. (to the nearest week)
 - $(2)1\frac{3}{4} = \dots \%$

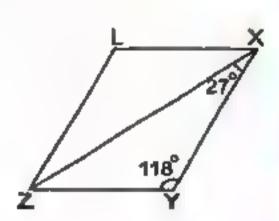
 - (4) If x, 18, 6 and 9 are proportional quantities, then $x = \dots$
 - (5) If a:b=2:3 and b:c=3:5 , then a:c=.....

 - (7) In the opposite figure:

XYZL is a parallelogram in which

m (
$$\angle$$
 Y) = 118° and m (\angle YXZ) = 27°, then :

(8) The area of the triangle $=\frac{1}{2} \times \dots \times \dots \times$







هذا العمل حصرى على موقع ذاكرولى التعليمي ولا يسمح بنشره في أي مواقع أخرى المنادد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

2	Choose the	correct	answer	from	those	given	:
---	------------	---------	--------	------	-------	-------	---

(9) The opposite data are descriptive except

(The favorite colour or birthday or age or blood species)

(13) The centimetre cube is a unit for measuring

(the perimeter or the area or the volume or the length)

(14) If one of the angles of a parallelogram is right and two of its adjacent sides are equal in length, then it is called

(rhombus or square or triangle or rectangle)

(15) The drawing scale =

($\frac{\text{length in reality}}{\text{length in drawing}}$ or $\frac{1}{\text{length in reality}}$ or $\frac{1}{\text{length in reality}}$ or $\frac{1}{2}$)

(16) A tractor ploughs 28 feddans in 4 hours, then the time which is needed to plough 42 feddans = hours. (4 or 6 or 7 or 8)

(17) $\frac{3}{4}$ = (as a decimal fraction) (0.2 or 0.5 or 0.25 or 0.75)

(18) 45 % = ····· (as a fraction in the simplest form)

 $(\frac{.45}{1000} \text{ or } \frac{9}{20} \text{ or } \frac{4}{10} \text{ or } \frac{5}{100})$

(1:4 or 4:1 or 1:6 or 6:1)

(20) If a man distributed L.E. 200 among his three sons in the ratio 2:3:5 then the share of the third = L.E.

(50 or 100 or 150 or 75)

Answer the following :

(21) A cube of metal its edge length is 12 cm. If it is wanted to be melted down and converted into alloys in the form of a cuboid with dimensions 3 cm. , 4 cm. , and 6 cm. Calculate the number of alloys that can be obtained.

95)



هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره فى أى مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zzkrooly.com

- (22) Ahmed draw a picture of his brother Osama with a drawing scale 1 : 40

 If the real height of Osama is 160 cm. What is height in the picture?
- (23) A triangular garden in a school, the ratio between its side lengths is 3:4:5 , if the perimeter of the garden is 120 metres, calculate the length of each of the sides of the garden.
- (24) The following table shows the extra money which 100 workers got in a month in a factory:

The extra money	20	30 –	40 –	50 -	60 –	70 –	Total
Number of workers	20	15	30	20	10	5	100

- [a] Draw the frequency curve of this distribution.
- [b] What is the number of workers who obtained extra money less than 50 pounds ?

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هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

18 Luxor Governorate

Luxor Educational Directorate : Maths Department



Answer the following questions:

1 Choose the correct answer:

(1) Parallelogram is a rectangle if one of its angles is

(right or acute or obtuse or straight)

(1:5 or 1:3 or 1:4 or 4:1)

(3) A car covers 240 km. in 3 hours, then the car speed is km./hour

(60 or 80 or 120 or 90)

(4) The simplest form of the ratio 2.4: 18 =

(2:15 or 1:6 or 6:7 or 5:3)

(5 or 7 or 4 or 3)

(6) All of the following are considered descriptive data except

(name or age or address or hobbles)

(7) $16\,000\,\mathrm{cm}^3 = \cdots$ litres. (1.6 or 16 or 160 or 0.16)

 $(8)^{\frac{2}{5}} = \dots \%$ (20 or 40 or 60 or 10)

(9) If a:b=2:3 and b:c=5:6 , then a:c=:

(5:9 or 9:7 or 5:8 or 15:11)

(10) The sum of all edge lengths of a cube is 84 cm.

(12) 2 kg.: 3 500 gm. = (2:3 or 7:6 or 4:7 or 5:4)

2 Complete the following :

(1) The range of the set of values 7,3,8,9 and 5 is

(2) Diagonals are equal in length in each of and

(4) The volume of a cuboid is 720 cm³, and its height is 9 cm., then its base area is cm².

المحاصلا ریاضیات لنات (Worksheets & Examinations) / ٦ ابتدائی/تیرم ۱ (۹۰ - ۱۲)

97



هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره فى أى مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zzkrooly.com

- (6) If $\frac{2}{5} = \frac{8}{x}$, then $x = \dots$
- (7)1-70%= ----%

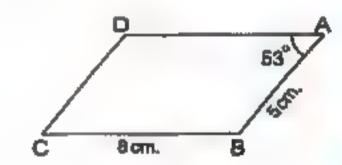
Answer the following:

- (1) The ratio between Mina's age and Ahmed's age is 7:11, and the difference between their ages is 8 years, find the age of each of them.
- (2) A picture of a tree is drawn with a drawing scale 1 : 100 , if the real height of the tree is 8 m., find its length in the picture.
- (3) A swimming pool is in the shape of cuboid whose internal dimensions are 40 m., 30 m. and 1.8 m., find its capacity in litre.
- (4) In the opposite figure:

ABCD is a parallelogram in which AB = 5 cm. >

[a] m (L B)

[b] The length of AD and the length of DC



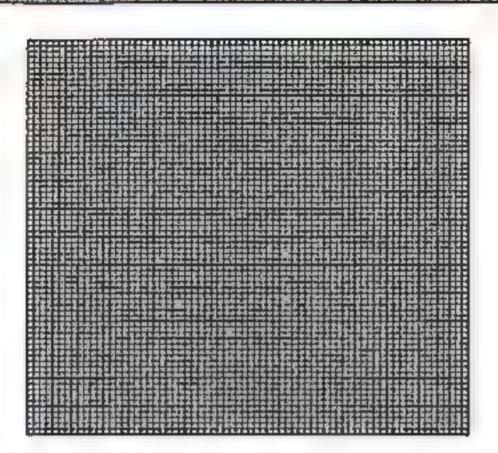
(5) The following table shows the ages of visitors to an exhibition within an hour of a day:

Visitor's age	10 –	20 -	30 -	40 –	50 -	Total
Number of visitors	6	9	12	10	8	45

Draw the frequency curve for this distribution.



هذا العمل حصري على موقع ذاكرولي التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تَفَصَل بِزِيَارَة موقعنا على الانترنت https://www.zakrooly.com لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت



19 Aswan Governorate Eng. M.M. Yacoub Formal Language School



Answer the following questions:

- 1 Choose the correct answer of the following :
 - (1) The following data are quantitative except

(age or weight or name)

- (3) If a: b = 2:3, b:c=6:7, then a:c=......

(7:4 or 12:7 or 4:7)

- $(4) 12 \,\mathrm{dm}^3 = \dots \,\mathrm{cm}^3$ (1 200 or 12 000 or 120)
- $(5)\frac{2}{3}:3\frac{1}{3}=\cdots$ (1:5 or 2:3 or 2:5)
- (6) if one angle of a parallelogram is right, then it called a

(rectangle or square or rhombus)

- $(7)1\frac{3}{4} = \dots \%$ (75 or 175 or 25)
- (9) If $\frac{x}{18} = \frac{4}{6}$, then $x + 1 = \dots$ (13 or 11 or 12)



هذا العمل حصرى على موقع ذاكرولى التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

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2	Complete each of the following :
	(1) The following figure in this pattern is
	(2) Drawing scale =
	(3) If the volume of a cuboid is 560 cm ³ and its height is 8 cm., then its base area iscm ² .
	(4) If the marks of 5 pupils in a test are 36,40,57,29 and 33, then the range of marks is
	(5)1-(25%+30%)=%
	(6) 80 minutes : 2 hours = ; (in the simplest form)
	(7) A map is drawn with a scale 1:200 000, if the distance between two cities is 8 km. in reality, then the length between them on that map is
	(8) The ratio between length of side of an equilateral triangle and its perimeter =:
3	Answer the following:
	(1) Two persons started a commercial business, the first paid L.E. 5 000 and the second paid L.E. 8 000, at the end of the year the profit was L.E. 3 900 Calculate the share of each of them from profit.
	(2) A container has 16 litres of oil, it is wanted to put them in small bottles, the capacity of each of them is 400 cm. Calculate the number of bottles.
	(3) If buying price of electric sets is L.E. 72 000 and sold at 12 % profit.
	Calculate the selling price.

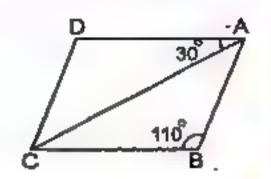
(100)



هَذَا العمل حصرى على موقع ذاكرولى التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zzkrooly.com

(4) In the opposite figure:

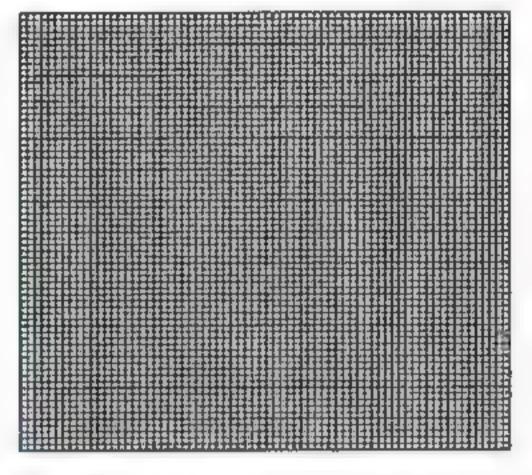
ABCD is a parallelogram, then find:



(5) The following table shows the number of hours which spent by 40 pupils to study their lessons daily:

S Number of hours	1 –	2-	3 –	4 –	5-6	Total
s Number of pupils	6	3	8	12	- 11	40

Represent these data using the frequency curve.



South Sinai Governorate El-Tur Educational Zone Matha Inspection



Answer the following questions:

Choose the correct answer :

(1) If 2,5, x and 15 are proportional, then $x = \dots$

(2 or 5 or 6 or 15)

(2) The percentage is a ratio its second term is

(10 or 100 or 1000 or 10000)

(3) 3 litres = cm³.

(3 or 30 or 300 or 3000)

(4) If the ratio between a child's age to his father's age is 2:13 and the child's age is 6 years, then father's age = years.

(6 or 15 or 39 or 41)





هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره فى أى مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

- (5) The ratio between the two numbers 1.6 and 1.8 = ···············
 - (1:4 or 8:9 or 3:8 or 1:16)

 (6) The number of edges of the cube the number of faces of the
- cuboid. (> or < or = or ≤)

 (7) A merchant bought a TV set for LE 1800 and be sold it for LE 2 000.
- (8) The range of the set of values 7,3,6,9 and 5 is
 - (4 or 2 or 6 or 12)

- (11) An agricultural tractor ploughs 28 feddans in 4 hours, then its rate of performance = feddans / hour (4 or 6 or 7 or 8)

2 Complete:

- $(1)\frac{3}{4} = \dots \%$

- (4) 250 grams: $\frac{1}{2}$ kilogram = ··············· (in the simplest form)
- (5) If the drawing scale < 1, this expresses
- (6) If a: b = 2:3 , b: c = 3:5 , then a: c = ----:
- $(7) 4 \text{ m}^3 = \dots \text{dm}^3$
- (8) The data: the age, the length, the weight and the favorite color are quantitative data except

3 Answer the following:

(1) Nahed bought an automatic washing for L.E. 3 600 and the discount was 10 % Calculate the original price of the washing machine hefore discount.

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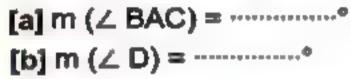


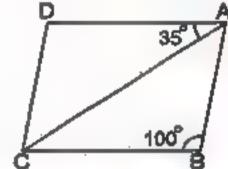
هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

(2) The ratio among the measures of the angles of a triangle is 2:3:4 Find the measure of each angle in the triangle.

(3) A vessel in the shape of a cube with edge length 15 cm. is filled with honey.
Calculate the capcity of the vessel of the honey.

(4) in the opposite figure :
ABCD is a parallelogram , find :

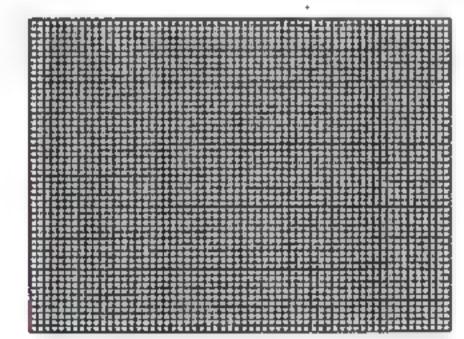




(5) The following table shows the marks of 100 students in one maths test:

Marks	10	20 –	30 -	40 –	Total
Number of students	15	30	40	15	100

Draw the frequency curve of this distribution.



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هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zzkrooly.com

tions from Different Governorate for the Year 2020

Cairo Governorate



Answer the following questions:



Choose the correct answer :

 $(1)\frac{2}{3}:2\frac{2}{3}=\cdots$

(1:2 or 1:3 or 1:4 or 1:8)

(2) If $\frac{x+4}{2} = 5$, then x =

(2.5 or 6 or 10 or 14)

 $(3) 500 \, dm^3 =$

(05 or 50 or 500 or 500 000)

(4) The range of the values 5, 4, 8, 12, 7 is

(4 or 5 or 7 or 8)

 $(5)\frac{1}{2}\frac{1}{3}\frac{1}{4}=$

(2 3 4 or 4 · 3 . 2 or 6 : 4 : 3 or 6 3 4)

(6) If the length in drawing is 2 cm, and the real length is 20 metres, then the (10 or 100 or 1000 or 10000) drawing scale is 1:

(7) If a is half b , and b is twice c , then a : c =

(1:1 or 1:2 or 1:4 or 2:1)

(8) 6 hours: 1 day =

(1:10 or 1.4 or 6.1 or 4:1)

(9) If 20 % of a number is 80, then the number =

(16 or 40 or 400 or 1600)

(10) The opposite data are quantitative except the

(tallness or weight or favorite colour or age)

(11) The base area of a cuboid is 12 cm² and its volume is 6 cm³, then its height cm (2 or 6 or 72 or 1)

(12) If the sum of the edges lengths of a cube is 12 cm. , then its volume = cm³

(1 or 27 or 64 or 1728)

(13) If a man drinks 3.5 litres of juice weekly, then the rate of what he drinks daily is litre/day $(3.5 \text{ or } \frac{1}{2} \text{ or } 2 \text{ or } 3500)$

Complete:

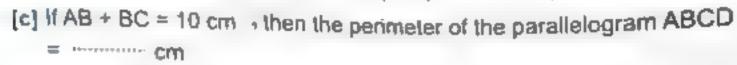
(1) 250 gm. $\frac{1}{2}$ kg. in the simplest form =

(2) A tractor ploughs 28 feddans in 4 hours, then the time which is needed to plough 42 feddans is ----- hours.

- (4) If we distribute 300 pounds between two persons \cdot and the first share is $\frac{1}{2}$ the second share - then the share of the first is
- (5) If $2 \cdot x \cdot 6 \cdot 9$ are proportional, then x =
- (6) in the opposite figure:

ABCD is a parallelogram

- [a] m (∠ A) = ·············•
- (in the simplest form). [b] The ratio between m (\angle B) and m (\angle C) =



[d] If AB = BC , then the figure ABCD is a called a

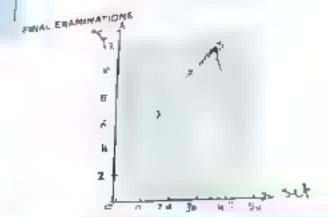
Answer the following questions:

(1) Mariam bought a TV set for 1 800 pounds after a discount of 10 % Calculate the price of the TV before the discount,

- (2) A swimming pool in the shape of a cuboid whose internal dimensions are 40 m. 30 m. and 1.8 m. Find its capacity in litres.
- (3) A map is drawn with a scale 1: 600 000 , if the distance between two cities on this map is 4 cm. , find the real distance between the two cities in kilometres.
- (4) The following table shows the marks of 30 pupils in an exam:

Marks	10-	20 -	30-	40	Total <-
Number of pupils	6	9	11	4	30

Draw the frequency curve representing this distribution



Caire Gevernorace --- The Control of the Control of

Amount the following quasilons

Chaose the correct answer

1 kg 700 gm. =

(2 7 UF 5 7 OF 7 5 OF 50 2

2 , one angle of a paratiologram single. Then it is called a

chapezium or rhombus dir cube dir rectangle

5 25 % from 200 =

(20 or 40 to 50 or 100

(4,4a b=5 6amdb c=9 4 thena c=5

(7 or 6 or 6 or 1)

- t 5. If the drawing length is 7 cm, and the rest length is 28 motres, that drawing areata = (1 d out 1 400 or 400 1 or 1 40
- (6 The ratio between three numbers is 3 4 7 and their sum is 70. Wan the greatest number = (15 or 35 or 70 or 14

71 2 3 # 0 7 s lbon x =

(7 or 8 or 0 or 9)

5) The range of data 7 - 3 - 6 - 9 and 5 is

(2 or 4 or 6 or 12

8 • In a class the percentage of the number of guists 64 % , then the percentage of the number of boys as % (55 or 64 or 45 or 36)

 $\{^{\dagger}$ † †

its votume = om³

(40 or 80 or 62 or 72)

d1) 됕 :

(4 or 3 or 4 or 2 or 2

[12] In the proportion - the product of the extremes

The product the (< or > or = or ≠)

means (13) The opposite data are descriptive except

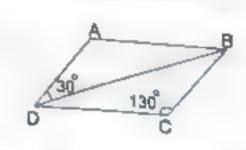
(favorite colour or place of birth or age or blood species)

Complete:

- (14) 18 kirats . 2 feddans = (in the simplest form)
- (15) The ratio between the measures of angles of triangle is 3:4:5, then the
- (16) The quadrilateral which each two opposite sides are parallel and equal in
- (17) 1 (39 % + 41 %) = %
- (18) If the distance between two cities on a map is 3 cm, and the real distance between them is 9 km. , then the drawing scale of the map =
- (19) If a car consumes 20 litres of fuel to cover a distance of 180 km., then the number of litres needed to cover 540 km. is ---
- (21) If the numbers $2 \cdot x \cdot 6$ and 9 are proportional, then the value of x =
- (22) If the perimeter of base of a cube is 16 cm. , then its volume = Cm³

Answer the following :

(23) ABCD is a parallelogram in which m (∠ C) = 130°, m (∠ ADB) = 30° Find: m (∠A) and m (∠ABD)

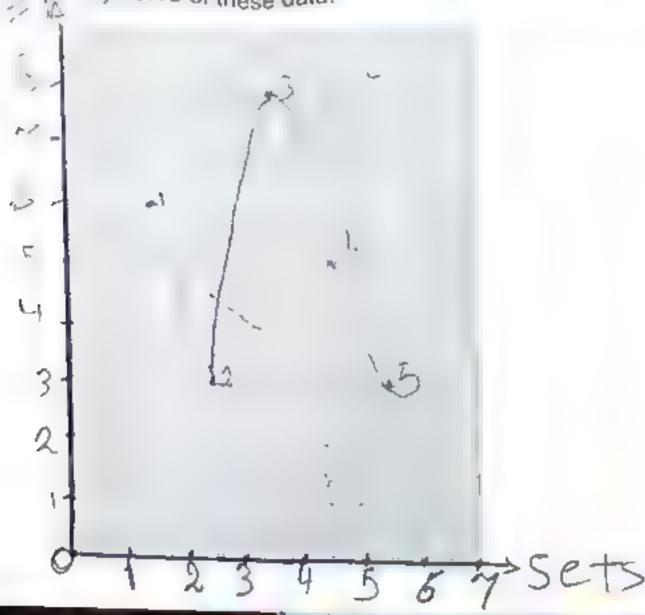


- (24) Ahmed studies 21 hours weekly, find the rate of his studying daily.
- (25) Samir bought a refrigerator in the time of sale with price L.E. 7 600 after discount. discount 5 % Find the price of refrigerator before discount

(26) The following table shows the number of hours which are spent by pupils study their lessons daily:

		· · · · · · · · · · · · · · · · · · ·				
Number of hours	1 -	2-	3 -	4	5-6	Total
Number of pupils	6	3	8	5	3	25

Draw the frequency curve of these data.



Giza Governorate

El-Doldki Educational Zone Orouba Language School



Answer the following questions:

Choose the correct answer:

(1) 513 614

(< or > or = or ≥)

(2) 18 kirats : 1 ½ feddan =

(2:1 or 1:3 or 1:4 or 1:2)

(3) If the numbers 2, x, 8 and 20 are proportional, then x =

(4 or 5 or 6 or 22)

(4) All angles of a rectangle are equal in measure and the measure of each of (45° or 90° or 110° or 180') them =

(5) If the ratio between the weight of Ali and the weight of Omar is 3:4 and if the weight of Ali is 30 kg. . then the weight of Omar =

(7 or 70 or 40 or 35)

(6) 300 mm³ - ---- cm³ (0.3 or 3 or 30 or 3000) (7) The following data are descriptive data except (favorite colour or birth place or age or blood species) (8) In a class the percentage of girls was 46 % from the total numbers of pupils. then the percentage of boys = % (46 or 100 or 54 or 146) (9) if the real distance between two cities is 9 km and the distance between them on a map is 3 cm, then the drawing scale = (1.3 or 1.300 or 1.300 000 or 300 000:1) (10) If A B = 2 · 3 , B. C = 4 : 5 , then A C = (8:15 or 15:8 or 2:5 or 3:5) (11) The range of the set of values 35,67,90,48 and 23 is (12 or 67 or 113 or 58) (12) A cube the area of its base 36 cm², then its volume = (6 or 72 or 216 or 108) (13) The number of a parallelograms that can be obtained = (4 or 5 or 7 or

Complete:

- (1) The proportion is
- (2) The diagonals are perpendicular and not equal in length in
- (3) 61 days = weeks.

14) If
$$\frac{3}{7} = \frac{x}{35}$$
, then $x + 2 =$

- (5) 4/10 = 35 %
- (6) If a car consumes 20 litres of fuel to cover a distance 250 km. , then rate of consumption of fuel = ·····
- (7) If the drawing scale > 1, then this expresses
- (8) In the opposite figure:

ABCD is a parallelogram in which $m (\angle D) = 110^{\circ}, m (\angle CAD) = 40^{\circ}, then$ m (∠ ACB) = ············ and $m (\angle B) =$

(9) In the following table:

and and the	4			
The age	10 -	20-	30 -	40
Number of patients	6	8	12	9

The number of patients less than 30 years =

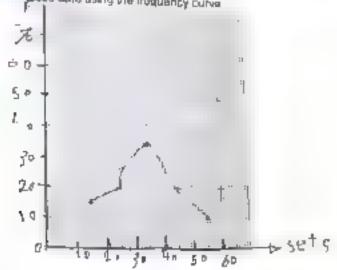
110 40
40 119
180-(110+46)

Answer the following questions

- If the ratio between the measures of the angles of a idengle is 1 2 3
 then find the measure of each angle of the triangle
- (2) A shopkeoper for electric sets and a TV set for a E id 180 of the percentage of his profit is 6 %. Then find the buying drice and find the profit.
- (3) 10 litres or or were poured in a veget in the strape of a cuboid vits bear a a square of side lange; 25 cm. Find the height or the oil in the vessel.
- (4) The following table shows the extra money which 100 workers golin one month in a factory.

The extra maney 10 20 30 40 - 50 Tetal Number of workers 15 20 35 20 10 10

Represent (base data using the frequency curve







prover the following questions

- phoose the correct answer
 - 4) From descriptive deta

(blood 85/80leg or height or weight or age)

2 17 $\frac{3}{5} = \frac{1}{10}$ withen $\frac{3}{5} = \frac{1}{10}$ [1 2 or 3 2 or 1 3 or 3 5] 3 D.35 =

(35 or 0.35 pr 36 or 350)

4) The next shape in the pattern . 16

5) The num or lengths of all edges of a cube is 72 cm. Then its edge idragith = (4 or 5 or 8 or 9)

5. The range of the set of values 22 , 39 , 62 , 54 $^\circ$

(40 pr 17 or 15 or 24) (7) The ratio \$ 5 e (in the simplest form)

(35 or 9 0 or 45 or 12) (it is not congle of a parallelogram is right athers it is called a

(montains or rectangle or trapagium or square)

(P) If $^{\circ}_{a} = ^{\circ}_{b}$ other

 $(A \times D = B \times C)$ or $A \times B = C \times D$) or $(A \times C = B \times D)$

10) A cubold its base area in 20 cm2 and its height is 6 cm. . Ever-

its volume = (80 or 120 or 720 or 600)

(11) In proportion - the product of the extremes The product of the means

(12) in the opposite figure

ABCD is a square

then the ratio potween

AR GD=

[1 1 or 1 2 or 1 3 or 2 1]

(13) cm³ is the measuring unit of (capacity or yolumo or area or perimeter)

Complete

(1) 18 kirals 2 feddahii :

(In its simplest long)

(> or = or <)

- A H H 5 short A
- 7 7 75 6
- A A spiriture of earth a many the that the operation which he can offered

there is all the second of the

- 6.1 This four engine was right to each of and
- ABCD is a parallelegram. then
 - 9 A Curita til edgir i etiglik = 8 cm then illa votume = cm²

Answer the following

1.1.1 () the ratio between the longith of two pieces of cloth as 6. Bland the sub-of-their languages is 120 cm. Calculate the longith of each piece.

- (2) The yolume of a cuboid is 54 cm³. Its base is equipm shaped of edelength 3 cm., calculate its height
- 1.3) A man put 5 000 c. F. In a bank with an interpet 10 % Calculate the sum of the priority after a year.

Using the Toll		*** ***	ring	inadneuch	curve :
Set	5		10	15 -	20 -
Frequency	4	h	8	10	4

Alexandria Governorate

El-Montaza Educational Zone Maths Inspection



inswer the following questions:

Choose the correct answer from the brackets:

(1) The ratio between 16 , 64 in the simplest form =

(1:4 or 2:8 or 1:8 or 2:4)

(2) The ratio between the side length of an equilateral triangle and its perimeter = : (3:1 or 1:2 or 1.3 or 1:4)

(3) If Hazem studies 21 hours weekly, then the rate of his studying daily = hours per day. (7 or 3 or 14 or 147)

(4) If $\frac{5}{8} = \frac{15}{x}$, then x = (42 or 5 or 15 or 24)

(5) If the percentage of the number of girls in a class which is mixed is 67 %, then the parcentage of the number of boys in this class = %

(100 or 167 or 33 or 67)

6 This idiplical buse for a size is 65 per, who with a discount 45 %, then the pounds (5.525 - 58.75 or 25.65 or 55) (02 m 05 m 0.25 m 0.75 en decidai fraction), A parallulogram is called reclarighe it is measure of one of the angles. 80 v. 90 or 91 / 160, Description of in pattern is reposition to (/ or V , or V(Tor) 10) 700 5 cm² (7 005 700 500 o/ 1 000 o/ 75) min. The cubic confinety to a unit of measuring

(volume of eros or parimeter or length) (12) The following date are quantitalism except

(age or height or briholate or weight) (13 The range = the maximum value — the minimum value (> 0 = 0 + 0 + 0 +

Complete the following

- When comparing between two quantities or numbers of the same type and sama unds the regulating fraction is called
- 2 на b=23 , b с≈35.0мвга о=
- () the ratio between the two dimensions of rectangle is 3 4 and its. parimuter is 40 cm . Even is area v
- (4) The ratio between 250 pastres (7 ½ pounds =

(in the samplest form)

(원) 1루 =

(6) In the apposite figure ABCD a paraticlogram $, m \ge A / + m (\angle B) =$

[7] 5 aπ³ = ----------- libres.

8 The sum of the edge lengths of a cube is 132 cm. , then

(9 The following table shows the marks of 50 students in main worm

	to be an pidding to sign, arms.	
Number of students	20 30 40 50 Total	
Manager or emports 5	15 20 10 50	

Then the number of students who got less than 40 merits = students.

Appeter the following (Wr o the steps of the solution: the during a personal in a co-many entering in the 2nd and the 3nd grades to 240 postula. If this ratio among he Direct bradus to 5 4 3. colonia in minimi di putita ei sach gradu

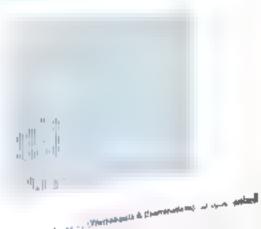
2 (take to right of the Suitz Canal on a map of drawing scale 1 1 00 000 m 5 cm , find as heal length in lon-

3 1 5 400 cm³ of water is poured into a vessel in the shope of suboid with Internal dimensions 20 cm 35 cm, and 45 cm. Find the volume of water needed to be added for the vessel becomes filed with water completely

4. The indowing table shows the extra money which 100 workers got in - wealth to a factory .

B INCHEST - ME 45 shorters h 4			_		_		
The extra money	20 -	30 -	40	50	60	74	Total
Number of workers	•		30	20	10	Б	100

Draw the frequency ourse for this date.



El-Kalyoubla Governorati



Answer the following questions:

Choose the correct answer

(in decimal form)

(02 or 05 or 025 or 0.75)

edges (2) The cube has

(4 or 6 or 8 or 12)

(3) If $\frac{4}{6} = \frac{12}{3}$, the x + 2 =

(16 or 18 or 20 or 22)

(4) If the real length is 6 m and the drawing length is 6 cm , then the drawing (1:10 or 1:100 or 1 1000) scale is

(5) If the numbers $4 \cdot \lambda \cdot 12$ and 18 are proportional, then x =

[16 or 10 or 4 or 6]

(6) The range of the set of values 7 - 3 - 6 - 9 and 5 is

(2 or 4 or 6 or 12)

(7) An agricultural tractor ploughs 28 feddans in 4 hours sthen the time which needed to ploughs 42 feddans is hours (4 or 6 or 7 or 8)

(8) ABCD is a parallelogram in which m (∠B) = 100°, then m (∠D) =

(120° or 60° or 100° or 50°)

(9) If the ratio between the weight of Hani and the weight of Ahmed is 5:6, if the weight of Ahmed is 60 kilograms , then the weight of Hani (25 or 50 or 60 or 30) kilograms.

(10) The two diagonals are equal in length and perpendicular in

(rectangle or square or parallelogram or rhombus)

 $(11) \frac{3}{10} =$

(40 or 33 or 30 or 70)

(12) The following data are descriptive data except

(favorite colour or age or birth place or blood species)

(13) Complete in the same pattern : (13) (13)

(□○△ or □△ or ○□△ or ○△)

Complete the following:

(in the simplest form). (1) 5 000 grams : 8 kilograms =

(2) The volume of a cuboid is 64 cm³ and the area of its base is 16 cm² , then its height =cm.

(3) If the ratio between the measures of the angles of a triangle is 2:3:4, then the measure of the greatest angle =

- (4) 3 litres = cm 3
- (5) A wooden box in the form of a cube its external volume is 1 000 cm³ its capacity is 729 cm³ then the volume of the wood of the box =
- (6) The following table shows the marks of 40 students in one test , then the

Marks	10 -	20 –	30 - 40
Number of students	10	13	17

- (7) If A: B = 2 · 3 , B · C = 3:5, then A · C =
- (8) The ratio between the side length of the square and its perimeter =
- (9) The area of the triangle = $\frac{1}{2}$ x
- Answer the following :
 - (1) Heba bought a mobile for 680 pounds with a discount 15 % Calculate the price of this mobile before the discount.
 - (2) Two persons started a commercial business, the first paid 5 000 pounds and the second paid 8 000 pounds, at the end of the year the net profit was 3 900 pounds. Calculate the share of each of them from the profit.
 - (3) A metallic cube of edge length is 12 cm. st needs to be converted it into ingots in the shape of cuboid each of them of dimensions 3 cm. s4 cm and 6 cm. Calculate the number of ingots that are obtained.
 - (4) The following table shows the number of hours which spend by 30 pupils to study their lessons daily:

an bribits to story me		2 4-	5-6 To	tal
Number of hours	1- 2-	9 8	6 3	0
Number of pupils	3			



El-Sharkia Gevernerase





Answer the following questions:

Choose the correct enswer

L1 → 3 Mres = · · · · · cm³

(3 pr 30 pr 300 er 3000)

(2 The range of the set of values 2 3 d . 0 and 5 is

14 or 7 or 8 or 121

(3. The percentage is a ratio as second term is

10 or 100 or 1000 or 10000)

(d , The ratio between the two numbers 2.4 and 3.6 =

(1 4 or 2 3 or 3 6 or 1 16)

(5) If 2 +5 X +15 are proportional than X =

(2 or 5 or 6 or 15

(6 , The diagonals are equal in length in

(trapezium or rectangle or rhombus or triangle

(Blorney Technon

[* 2 or 1 8 or 1 34 or 3 4 [* a or 1 2 or 2 3 or 1 5

a liking distanced amplies a pure detaileration

(equality or mannegation or enlargement or minimum to

in the consequent of the race 3 is (3 or 5 or 11 or 2)

in The ratio between the side longth of the square to its

peneralturas 1 2 or 1 3 or 4 7 or

12 The tosowing date are descriptive date sugart

(length or birth place or name or layonte colour,

Complete

1 1 = %

(25 % + 30 %) = %

The volume of a cuboid is 64 cm³ and area of its tase as -6 cm² alternate height = 0.00

 $4, \frac{9}{5} = \frac{3}{20}$ Then 3 =

5 If the real length of a free is 6 m., and its drawing length is 3 cm. then the grawing scale =

6) 5 000 grama - 6 kilograma =

(in the simplest form)

7 s An agricultural tractor ploughs 25 feddans in 4 hours—then its rate of performance is

8 IfA B = 1 2 . 8 C = 3 5-then A C =

Answer the following questions:

If the buying price of electric sets is L.E. 60 000 and sold of 10 % profit. Calculate the salling price.

2 A container has 24 filters of oil - it is wanted to put them in small burder - the Category of each of them is 400 cm² Calculate the number of bottles. 4.3 In the opposite figure

ABCD is a pergaphyrom. Inet find



4.) The ratio scriping the measurements of the angles of a Irlangie is 3. 7. 8. find the measure of seen angle in the triangle.

T po 5 1 at the market a to a 1 th against a 1 th a

5) The following table shows the merits of 100 purplie in one of the math.

10 / - /E	2.80				
Marks	10	20	36 -	46 -	Total
Number of pupils	15	30	40	- 5	100

Draw the troquency curve for this distribution.



El-Manofie Governorace

Attendur Educational Zone.

-1-



Answer the following questions

- Choose the portect ensure
 - (1) The ratio between 5 000 gm and 8 kg is

(5 8 or 8 80 or 8 5 or 80 5)

```
the Michigan
                                          (0.046 or 65 or 65 or 655
                     ᆒ
 Il INS numbers 3 , 5 x and 10 are proportional. Then 3.4
                                                  (8 Ur 8 Or 12 Or 15
    a cubost its dags sittle is 40 \mbox{cm}^2 and its height is 5 \mbox{cm} = \mbox{theories} who will volume
                                             (200 or 2000 or 45 or 8

    The tolkward data are descriptive except

                                   (job of religion of weight of hoppy)
   § A par covers *20 km in 5 hours com its rate ≈
                                             (20 or 120 or 12 or 160)
                                                . 5 or 40 or 80 or 50 t
   4. If the edge length of a mabe is 5 cm. Then the sum of all edges =
                                               ,126 or 8 or 60 or 25)
   g. If the real length is 8 m. and its drawing length is 6 cm, 4 then the drawing
                                (1 1 or 100 1 or 1 1000 or 1 100)
   in 8 the values of frequency distribution his between (19 49 then the range
      of this distribution .
                                                (30 or 68 or 48 or 19)
   Ar angles are right and the two diagonals are perpondicular in
                     (rectangle or morrous or squere or parallelogram)
   un 취 큐 =
                                           5 3 or 3 5 or 3 7 or 5 71
  13) A trader sold some goods by losing percentage 20 %. Then the percentage.
                                    196
      of the setting price was
                                           ( 120 or 50 or 20 or 100 )
Complete the following
   1 : A cube its base area is 25 cm² , then its volume =
   2 117 12 = X 52 then X =
  (1) The drawing scale = ··
  (4)32 % + 27 % +
                             = 100 %
  ( 5 The types of the statistical data are
  ( In the apposits figure
      ABCD is a parellidogram
      4 \text{ Th} \left( 2 \text{ A}_1 = 50^{\circ} \right)
       Then m (∠ 图) ⇒
  M the volume of a cabold is 38 om<sup>3</sup> and its height is 4 cm. Then he basis
      ATEM SE TOTAL COMP
```

 An agricultural machine plought 8 feddams in highes than as performance alone feddams/hour

Attwer dw following.

if the drawing scale of a may is 1 — 000 000 and the malkingth between two codes is 20 km. Find the filstence between them an this map

- 2 After a topoglish a TV dail with discount 20 % from the declarest price which was 2 500 periods. Find its price offer discount.
- (3) A box in this shape of a cuboid with distinguishes 36 cm, 42 cm, and 24 cm. If it is filled with small cubos or edge length 6 cm. find the number of these cubos.
 - The following table shows the marks of 90 students in one mostly menth.

Marks	10	20	30 ~ 1	40	Total
Number of eludents	5	25	30	20	80

Draw the frequency curve for this distribution.



[|-Dakshile Gavernovas



the following successions

Complete the following

(1) if
$$\frac{X}{9} = 15.96$$
 without $X =$

Avectangly Will be a square if 4x diogonals are

- 4 (I the longth of an weed) in a picture to 0 cm, and its real length 2 mm, when
- 5 MA B = 4 3 + B C = 2 3+0mmA C =



- 7 8 400 cm³ of whiter is poured into a vessel in shape of cuboid with base area 700 cm². Then its height z cm.
- The number of sals = the range +
- 9 An agriculture fractor politighs 28 feddans in 4 hours , then the rate of the tractor = feddanshour

Choose the correct answer

9.52 litres = dm³ (8.52 or 95.2 or 9520 or 95.200)

The following data are descriptive data except

(colour or age or birth place or blood type)

(3) If the drawing ecole 1, this express unlargement.

{ > ar = or < or s}

(4) The sum of all edges of a cube is 132 cm. - its volume = cm²

(11 or 33 or 121 or 1331)

5) 12 kirata 1 25 feddan = -- (5 2 or 2 5 or 1 2 or 120 125)

 $\frac{1}{6} = \frac{7}{15}$ (then $\frac{7}{2} = \frac{7}{15}$ (4 or 5 or 8 or 15)

7 The product of the extremes The product of means

[+ dt = 01 4]

FINAL EXAMINATIONS

Answer the following :

(1) A company for selling the electric sets shows a TV set for 2 300 L E. If the percentage of profit is 12 % Find the buying price of the TV set.

(2) The ratio between the length and the width of a rectangle is 9-5 . If the perimeter of the rectangle is 56 cm. Find out the length and the width , then calculate its area.

Choose the correct answer :

 $(1)_{20}^{13} = \%$ (065 or 65 or 65 or 650)

(2) If the numbers $1.4.3 \times .28$ are proportional , then x =

(1 or 4 or 7 or 28)

(3) The parallelogram with right angle is called

(rectangle or square or rhombus or trapezium)

(4) The ratio between the perimeter of a square and its side length =

(1:4 or 4:1 or 1:3 or 3:1)

(5) The range of the set of values (29 . 33 . 57 . 40 . 36 . 39) is

(28 or 32 or 33 or 86)

(6) 10 litres of water were poured in a vessel as a cubold with square base of side length 25 cm. • then the height of water = cm

(400 or 40 or 16 or 2.5)

Answer the following :

(1) A cube shaped vessel - its internal edge is 30 cm. and it is filled with oil.

(a) Calculate the capacity of the vessel.

[b] If the price of one litre of oil is 9.5 pounds. Calculate the price of all oil.

The following table shows the distribution of the weekly wages of

Weekly wages	50 -	60 -	70 –	80 -	90 -	100 -	110 -	Total
No. of workers		8	12	18	10	4	2	60

- [a] Draw the frequency curve of the distribution
- [b] Find the percentage of workers whose weekly wages are 100 L.E. and more.

10 Suez Governorate

South Educational Directorate
Maths Inspection



Answer the following questions:

- 1 Complete the following statements:
 - (1) If the drawing scale < 1, this expresses
 - (2)125%=----
 - (3) (in the same pattern)
 - $(4) 300 \text{ mm}^3 = \dots \text{cm}^3$
 - (5) 16 kirat : 2 feddans = : (In the simplest form)
 - (6) The number of sets = the range
 - (7) If A: B = 4.3 , B: C = 2:3 , then A: C =
 - ^{{8}} The area of the base of the cuboid = ----

(9) A computer colour printer prints 12 papers each 4 minutes. The rate of work of this printer is.

Choose the correct answer

1) If $\frac{4}{6} = \frac{12}{3}$ then 3 + 2 = (16 or 18 or 20 or 22)

, 2.) The figure XYZL in which XY = ZL \ YZ = XL \ XY ≠ YZ \ the two diagonals are equal in length. The name of the figure is

(rectangle or square or rhombus or cube)

(4) The diagonals are perpendicular in a

(rectangle or square or parallelogram)

(5) If the real length is 5 m and the drawing length is 5 cm, then the drawing scale is

(1:10 or 1 1000 or 1 100 or 1 1)

(6)0625 = % (625 or 625 or 625 or 6500)

(7) The parallelogram is a quadrilateral in which the sum of the measures of any two consecutive angles equals (90° or 180° or 108° or 120°)

 $(8) 4 \text{ m}^3 = \text{dm}^3$ (4000 or 400 or 4 or 40)

(9) The range of the set of values 50, 25, 35, 20 is

(10) If $\frac{x+18}{9} = 8$; then x = (10 or 20 or 30 or 40) (54 or 72 or 45 or 27)

(11) The ratio between the circumference of the circle and its diameter length

(13) The following data are descriptive data except

(favorite colour or age or birth place or blood species)

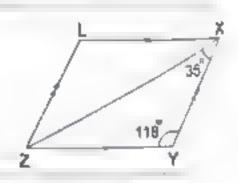
Answer the following:

(1) In an English exam, Adel scored 13 marks from 20 marks, find the percentage of the scored mark of Adel in English.

(2) The sum of lengths of all edges of a cube is 132 cm. Calculate its volume.

(3) In the opposite figure:

XYZL is a parallelogram in which $m (\angle Y) = 118" \cdot m (\angle YXZ) = 35"$ Find : $m (\angle L) \cdot m (\angle LXZ)$



following table shows the marks of 100 students in math exam :

The following	10 –	20 –	30 -	40 –	50 –	Total
Number of students	15	25	30	20	10	100

praw the frequency curve for this distribution.

(4)

11 Port Said Governorate

COLUMN TWO IS NOT THE OWNER.



Answer the following questions:

- Choose the correct answer:
 - (1) The range of the set of values: 7,3,6,9 and 5 is

(2 or 4 or 6 or 12)

(2) The centimetre cube is a unit of measuring the

(length or area or volume or weight)

- (3) 18 kirats . 2 feddans = . (1 · 2 or 3:8 or 1:24 or 18:2)
- (4) A printer prints 15 papers in 3 minutes, then the rate of printing of this

 printer = papers/minute (5 or 3 or 45 or 0.5)
- (5) If the drawing scale < 1, this expresses

(equality or maximization or enlargement or minimization)

- (6) The cube has · · · edges. (4 or 6 or 8 or 12)
- (7) The diagonals are perpendicular in

(rectangle or trapezoid or rhombus or parallelogram)

(8) The ratio between side length of the square to its permeter is

(9) If the ratio among the measurements of the angles of a thangle is 1:2:3, then the measurement of the smallest angle is

(10) The numbers 1 + 2 + 6 and are proportional

(11) If one angle of para elogram is right + then it is called

(12) The following data are descriptive data except

(13) If the percentage of boys is 35 % from the total of the number of pupils in a class - then the percentage of girls is

Complete the following :

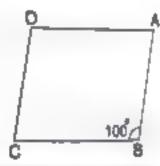
(2) The area of the triangle =
$$\frac{1}{2} \times \dots \times \times \dots \times \times \dots$$

(3) If the real length of an insect is 0.3 mm, and its length in a picture is 4.5 cm , then the drawing scale =

$$(4)\frac{4}{5} = \cdots \%$$

(6) A wooden box in the form of a cube , its external volume is 1 000 cm³ and its capacity is 729 cm³, then the volume of wood of the box = cm³

(7) If
$$\frac{2}{5} = \frac{x}{15}$$
, then $x =$



(9) The following table shows the marks of 50 students in one month in maths:

Marks	10 –	20 –	30 –	40 – 50	Total
Number of students	5	15	20	10	50

Then the number of students whose marks are less than 40 is ----- students.

A metaling : A metal to cube of edge length 12 cm. It needs to be converted it into ingots ness shape of cubord each of them of dimensions 3 cm +4 cm and 6 cm calculate the number of ingots that are obtained

three persons started in business i the first paid 15 000 pounds i the second ged 25 000 pounds and the third paid 20 000 pounds , at the end of the year the profit was 5 520 pounds. Calculate the share of each of them

3 Manam bought a dress for 425 pounds with a discount 15 % Calculate the once of the dress before discount.

4) The following table shows the marks of 100 students in one month in maths test:

Marks	10 –	20 -	30 -	40 ~ 50	Total
Number of students	15	30	40	15	100

Draw the frequency curve of this distribution.





Armeigia Governorato



Answer the following questions

🚺 Chaose the corrost power

700 pm

it is a property of a

* # 5 = 10 then x =

. D Gr 14 gr 2 or 7

5 The cube has edges

, 10 or 12 or 8 cr 1

4. The diagona's are equal in length of

Connellelogram or rectangle in rhombus or trapezoum

5) The following data are descriptive except.

, colour or birth place or age or Harme

6 : Volume at cubord whose dimensions are 3 cm. 2 cm.

and 5 on. = See on?

130 or 9 or 26 or 80

(7 Range of set of values 7 x 3 x 8 9 and 5 =

(3 or 4 or 6 or 17)

(4) 4 =

134 OF 75 OF 57 OF 0.53

19,6 b=1 4 , b c=1 5,4ena c=

(9 20 or 2 3 or 3 5 or 3 2

11) 1 70% = 弘 (3.5 or 3.600 or 350 or 936

(2) 1 1 2 4

101 3.5 kines n

190 or 32 or 50 or 20 [1 4 or 1 3 or 3 4 dr 4 8

Complete

13 The ratio between aldo length of a square and its permeter

5" If the edge langth of a cube is 3 cm., there is volume *

(6) 8 hr. 3 days = (in the symplest form).

7 A tractor ploughs 28 feddans in 4 hr. - then the rate = laddarol/hi $_{
m ph}$ volume of cultiple GA $m cm^2$ and area of its base in $\,$ 6 $m cm^2\,$ Fier lie building

pth 30 % of 200 =

gald animing innight is 6 rate and the real lightigh as 6 m. other the drawing ggala or

gripped for and research

31 a mile between Hant and Moged weights is 5 -0 and the difference between that weights is 10 kg. Find the weight of each of them

(20 Ding bought a mobile for 1 800 y. 5. with a discount 10 % Calcutate the price of the mobile battore the discount.

(2)) A cube of mulai is edge lyngth = 12 cm it il is yranled to be molied and converted into ingoin form of cupality with dimensions 3 cm. +4 cm, and 5 cm. Calculate in a number of lagots that can be obtained.

(24) in the apposite figure :

ABCD is a carrylategram then find

Mm . C =

15) The parameter of 🕮 ABCD =



ab. The following lable shows me is of 50 students to maths been

Marku			ſſ.	40	50	Total
No of students	41	1	2	D	5	50

to draw the in temporate is conserve in the adjuly the late.



Answer the following quositions

- Choose the correct answer
 - (* The side length of a square = 3 cm then the ratio between its aide length and the perimeter equate 4 or 3 or $\frac{1}{4}$ or $\frac{1}{4}$ or $\frac{1}{4}$
 - (2) If the volume of a cube = 25 cm², even its base show =

 $3 + 11 \stackrel{?}{\Rightarrow} = \frac{7 - 3}{21}$, then $x = \frac{(25 \text{ cm}^2 \text{ or } 25 \text{ cm} \text{ or } 25 \text{ cm}^2 \text{ or } 2$

If Hodgs bought a mobile phane for 900 pounds with a discount 10 % then
the price of the mobile phane before the discount is pounds.

(9000 or 1000 or 990 or 900)

4.5 , The diagonals are perpendicular in a

nechangia or trapezium or rhombus or paratelogram

$$(4 \pm 0)^{\frac{24}{5}} = (4 \pm 0)^{\frac{24}{5}} \text{ or } 4 \pm 0)^{\frac{1}{5}}$$

[7] In the opposite figure :

The number of INPEZOIDE 18



1 100 grams from a food stuff gives 300 calones, how many calones will be used from 30 grams of this food ? (900 or 9 000 calones) given from 30 grams of this food? (900 or 9000 or 90 or 196)

(9) If the sum of the edge lengths of a cube = 144 cm , then its volume =

(144 cm³ or 1728 cm or 1728 cm³ or 144 cm²) (10) 1 - (35 % + 25 %) = $(\frac{1}{2} \text{ or } \frac{1}{3} \text{ or } \frac{2}{5} \text{ or } \frac{3}{4})$

(12) The ratio between 3 feddans : 24 kirats =

(3:2 or 3:1 or 1:8 or

(13) The following data are descriptive except

(favorite colour or birth place or age or blood species)

Complete each of the following:

(1) 15 litres + 0.5 dm 3 + 500 cm 3 = litres.

(2) The capacity is the volume of the inner space for any

(3) If the drawing scale < 1, then this expresses</p>

(4) The rectangle is a parallelogram

(5) 900 mm³ = cm³

(6) If the real length of an insect is 0.3 mm, and its length in a picture is 4.5 cm then the drawing scale = ...

is a cuboid with equal dimensions.

(B) The four sides are equal in length in each of

(9) The volume of a cuboid is 64 cm³ and the area of its base is 16 cm², then Its height =cm.

Answer the following questions:

(1) A man died and left a piece of land for building its area is 17 kirats we recommended for building on orphan house on area equals 5 kirats, the remainder is distributed between his son and his daughter in the ratio 2 : 1 , calculate the share of each of them from the land.

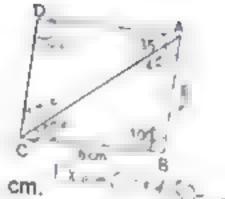
(2) In the opposite figure:

ARCD is a parallelogram in which AB = 5 cm

- *BC = B cm m (/ B) = 100" and m (/ DAC) = 35"
- · without using measuring tools find :

(b) m (/ ACD) >

[4] The premeler of the parallelogram ABCD =



- () Hobit bought a mobile phone for 2 185 pounds with a discount 5 % .

 Calculate the price of the mobile phone before the discount.
- (4) A restaurant owner prepares 80 food meals all are of the same kind a using 20 kg of meat, what is the rate of meat needed for preparing one meal, what is the rate of meat needed for preparing 4 meals?

(5) The following table shows the number of hours which are spent by 60 pupils to study their lessons daily:

Number of hours	1-	2-	3-	4 –	5-6	Total
Number of pupils	9	13	18	12	8	60

Represent these data using the frequency curve

if Luxer Governorate Washer the following questions Complete: 1) The range of the set of values = the maximum value -(2) The valume of the cuboid = 13 | 15 dm³ = · cm³ I The two diagonals are perpendicular in each of and (5) The ratio between two numbers 125 | 25 = (in the simplest form) [6] 2.5 feddans 18 kirals = (in the simplest form) (7)04= - % (6) I(A B = 5 9 + B C = 9 11 + then A C = (9) The drawing scale = ---Choose the correct answer () The four sides are equal in length in (triangle or rhombus or parallelogram 00 trapezium) (2)25:575= (10:13 or 23:10 or 25:575 or 10:23) (3) The volume of a cuboid is 81 cm^3 and the area of its base is 27 cm^2 , then its height = (24 cm. or 3 cm or 2 cm. or 4 cm.) (4) The ratio between the perimeter of the square and its side length = - -- (1:2 or 1:3 or 4:1 or 2:1) (5) The ratio between the child's age and his father's age = 2 \cdot 15 \cdot if the child's age is 6 years i then his father's age = (45 or 30 or 39 or 53) (8) 46 dm3 = litres (46 000 or 0 064 or 46 or 6 400 000) (7) Hassan spends L.E. 70 within a week - then the rate of what Hassan spends daily = (15LE/day or 10LE/day or 5LE/day or 75LE/day) (8) The sum of edge lengths of a cube = 48 cm. • then its volume = cm³

64)

[26 or 216 or 729

FIREL EXAMINATIONS

The re-leaving drug are descriptive data a seriet

9 The leverage and we becomposed on the role of the lighters age of block appears on the religion of the relig

A life architecture and the bar of the bar o

1 If the displang scale or p

12 Ahmed bought a render to 50 000 the suit of the cute (1) three his salling price = LE (45 000 pr. \$5 000 pr. 4 000 pr. 2 000)

5: The range of the set of values is 6,9 and 5 or 5 or 6 or 7;

Answer the following

- If the distinct page 5 and the page 5 is 1. 1. 500,000 and the distance between two
 objection that map = 3 cm. find the real distance between them is top.
- 2 Three persons sturted in business. The first baid c.E. 1.500, the second paid c.E. 2.500 and the third gaid c.E. 2.000, at the end of the year the right profit = c.E. 8.000 Calculate the share of each one of them.

(3) In the appeable figure

ABCD is a parallelogram in which AB = 8 cm

•BC = 4 cm + m (∠ 0) = 100°



b) The perimeter of the parallelogram ABCD =

1.4 The following table shows the number of the hours which sport by 20 pupils to study their legeons daily

	Number of hours	_⁴	2	3	4	5 E	Total
_	Humber of pupils	1	Ð	3	7	3	71

Represent this data by using the frequency curve

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	of gets	1	- 4	10	2 - 0	r 1	96 3	3 4,
\$	The volume of a	ubu of edge	ongli	2 r.m		Tr		
				(8	pr 16	or 34	0/	90)
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Complete the following

 A complime for solling electric solle. It is shown if TV sell for L E. 2 100 . If the percentage of the profit is 12%. Then the buying into of the TV and

(2) in the following lable



The centre of the set (10 -) =

- (3) There are 580 students \star if the ratio between auxiliars of glds to the sumble of boys ± 3 \pm -then the number of gids \pm
 - र्व The fatio between नं है व

15 0.8=

To the same patients)

- (7) If the numbers 6*6:3*5 are proportional , then the value of x=
- (6) A cultofd of beas area is 16 cm² and its height i∈ 5 cm. I then the volume = cm³
- (9) The range of the set of values $50\cdot 25\cdot 36\cdot 20$ \times

3 Antwer the following questions

(5) Khaled bought a list for L E 150 000 who sold it at 5 % less Calculate the Scieng price.

A the heaters of the discount bully bully be decided in the edges of a line because it discount and bully bully bully but the bully bully bully but the bully bully bully but be a bully b

, in the oppositio figure

$$p_{0}=0.5\times110^{\circ}$$



as The fellowing table shows the marks of 100 windows in marite eager

Marka	10 -	20	300	1.00	
Number of students	15	30	40	,	5

Represent those data by a hequiricy curve

Answers of Schools' Examinations for the Year 2020

Cairo

- 1 (1) 1 4 (2) 6 (3) 500 (4) 8 (5) 6 4 3 (6) 1 000 (7) 1 1 (6) 1 4 (9) 400 (10) favorite color (11) $\frac{1}{2}$ (12) 1 (13) $\frac{1}{2}$
- (4) 100 (5) 3 (6) (a) 60° (b) 5·4 (c) 20 (d) rhombus
- (1) Price before discount. Discount. Price after discount. 100 % : 10 % : 90 % 7 : 1 600

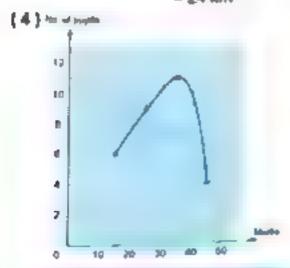
The price before discount

= 100 × 1 800 = 2 000 pounds

(2) The capacity = 40 × 30 × 1.8 = 2 160 m³ = 2 160 000 L

(3) Length in drawing Length in reality
1 800 000
4 ?

The real distance = 600 000 = 4 = 2 400 000 cm = 24 km

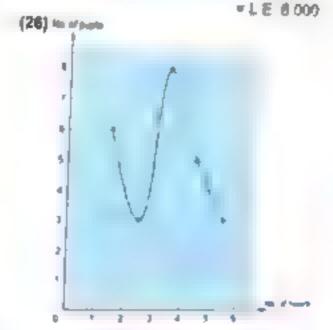


2	Cairo	
1 (1) 5 7 (4) 8 (7) 8 (10) 72 (13) 820	(2) reclangle (5) 1 400 (8) 6 (11) 4 4 5	(3)50 (6)35 (9)46 (12)*

(17) 20 (18) 45° (16) peratelogram (17) 20 (18) 1 300 000 (19) 60 (20) 3 (21) 3 (22) 64

(23) m (/ A) = 130" +m (/ A80) = 20"
(24) The rate = 21 = 3 hr /day
(25) Price before discount. Decount. Proceeder decount.
100 % 5 % 95 %
7 800

The price before discount = 100 + 7 800
95



Giza (4) 90° (2) 1 2 (3) 5 (4) 90° (5) 40 (6) 0 3 (7) age (8) 54 (8) 1 300 000 (10) 8 15 (11) 67 (12) 216 (13) 9

- 2 (1) an equality of two ratios or more
 (2) rhombus (3) 9 (4) 17
 (6) 40 (6) 2/25 tyre / km
 (7) enlargement (8) 40° ± 110°
 (9) 14
- 1 2 3 8
 7 7 160°

 The measure of 2°° angle = $\frac{2 \times 160^{\circ}}{8} = 30$ °

 The measure of 3°° angle = $\frac{2 \times 160^{\circ}}{8} = 60$ °

 The measure of 3°° angle = $\frac{3 \times 160^{\circ}}{8} = 60$ °

(2) Buying price Profit Salling price

100 % 6 % 106 %

2 : 7 : 3 180

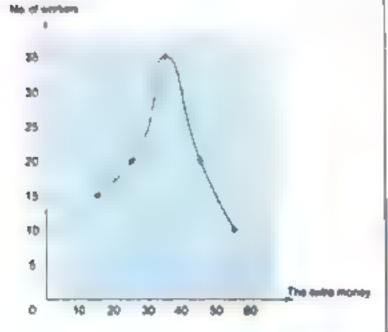
The buying price 100 = 3 180

= L € 3 000

The profit = 3 160 - 3 000 = L.E. 160 (3) The base area = $25 \times 25 = 625 \text{ cm}^2$

The height $= \frac{10 = 1000}{625} = 16 \text{ cm}.$

(4)



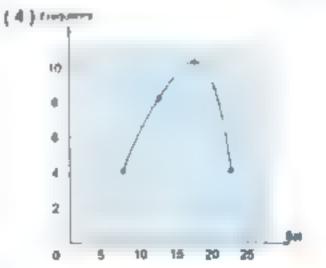
4 Giza

(1) blood species (2) 1 2 (3) 35 (4) (5) 6 (6) 40 (7) 9:10 (8) rectangle (9) A × D × B × C (10) 120

(12) 1:1

(13) volume

- 2 (1)3.6 (2)2.5 (3)25 (4)80 (5)20:1 (6) reclargie : square (7)6 (8)60" (9)216
- (1) 1st piece 2^{nd} piece Sum 6: 8: 14 7: 7: 126 The length of 1st piece = $\frac{6 \times 128}{14}$ = 54 cm The length of 2^{nd} piece = $\frac{8 \times 128}{14} \times 72$ cm (2) The base area = $3 \times 3 = 9$ cm² The height = $\frac{54}{9} = 8$ cm



5 Alexandria

- (4) 24 (2) 1:3 (3) 3 (4) 24 (6) 33 (6) 55 25 (7) 0.75 (8) 90° (9) \(\sqrt{1} \) (10) 700 500 (11) volume (12) brith place (13) —
- (1) ratio (2) 2:5 (3) 1 200 (4) 1:3 (5) 175 (6) 180° (7) 1 000 (8) 1 331 (9) 40
- 3 (1) 1st grade . 2nd grade 3rd grade Sum 5 : 4 : 3 : 12 ? : ? : ? : 240

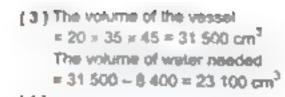
The number of pupils in 1st grade $\approx \frac{6 \times 240}{12} = 100$ pupils.

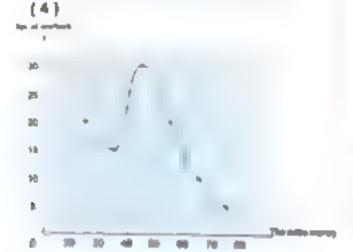
The number of pupils in 2^{nd} grade = $\frac{4 \times 240}{12}$ = 80 pupils.

The number of pupils in 3rd grade = $\frac{3 \times 240}{12}$ = 60 pupils

(2) Length in drawing. Length in really

(11) =





6 El-Kalyoubia

(4)1.100	(2)12 (6)6	{3}20 (6}6
(7)8	(8) 100°	{9}50
(10) square	(11) 30	(12) age
(13) (17)	N	

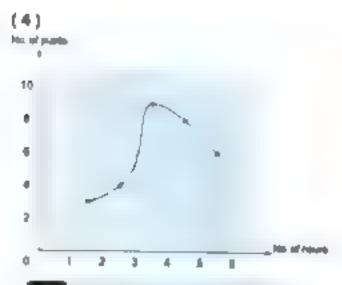
(9) base length x corresponding height

(1) Price before decount. Decount. Price effer decount. 100 % : 15 % : 85 % 680 The price before discount = \frac{100 \times 550}{85} \times 800 pounds.

The share of the 1th person $= \frac{5 \times 3900}{13} = 1500$ pounds. The share of the 2rd person $= \frac{8 \times 3900}{13} = 2400$ pounds.

(3) The volume of the cube = 12 × 12 × 12 = 1 728 cm³

The volume of each ingot = $3 \times 4 \times 6$ = 72 cm^3 The number of ergots = $1.728 \times 72 \times 24 \text{ ergots}$.



7 El-Sharkla

1 (1)3000 (2)7 (3)100 (4)23 (5)6 (6) rectangle (7)3-4 (8)1.5 (9) minimization (10)11 (11)1.4 (12) length

3 (1) Buying price Profit Selling price 100 % : 10 % : 110 % 60 000 ? The selling price = 110 × 60 000 100 = L.E. 66 000

(2) The number of bottles = $\frac{24 \times 1000}{400}$ = 60 bottles.

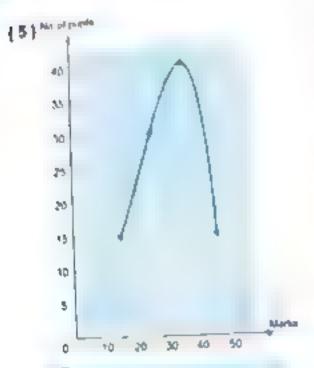
(3) (a) m (∠ D) = 130° (b) m (∠ ACD) = 30°

(4) 1st angle 2nd angle 3rd angle Sum
3 : 7 : 8 : 18
7 : 7 : 7 : 180°

The measure of 1st angle = 3 × 180°
= 30°

The measure of 2nd angle = ^{7 × 180}*
18
* 70*

The measure of 3rd angle = $\frac{8 \times 180^{\circ}}{18}$ = 80°



8 El-Monofia

- (1)5.8 (2)65 (3)6 (4)200 (5) weight (6)120 (7)60 (8)60 (8)1:100 (10)30 (11) square (12)5:3 (13)80
- (1) 125 (2) 28 (3) length in drawing a length in reality (4) 41 (5) descriptive a quantitative (6) 120° (7) 9 (8) 6
- (1) Length in drawing: Length in reality
 1: 1 000 000
 2: 20 km.

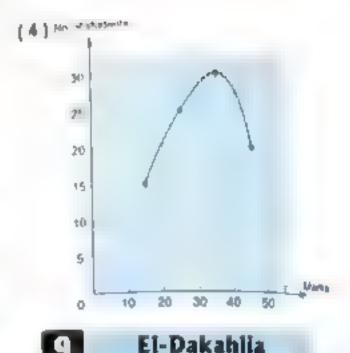
The distance on the map $= \frac{1 > 20 > 100 000}{1 000 000} = 2 cm.$

100 % : 20 % : 80 % 2 500 : : ? The price after discount = $\frac{80 \times 2500}{100}$ = 2 000 pounds (3) The volume of cuboid = $36 \times 42 \times 24$

(2) Price before discount. Discount. Price after discount.

= 38 288 cm³ The volume of each cube = $6 \times 6 \times 6$ = 216 cm³ The number of cubes = 38 288 + 216

= 168 cubes



- (1) 135 (2) equal in length (3) 3/4 (4) 50:1 (6) 8.9 (6) 45 (7) 12 (8) the length of the set (9) 7
- 2 (1) 9.52 (2) age (3) > (4) 1331 (5) 2.5 (6) 4 (7) =
- 100 % 15 %: 115 %

 7 : 2 300

 The buying price = \frac{100 \times 2 300}{115}

 = 1.E 2 000
 - (2) Length + Width = 58 + 2 = 28 cm.

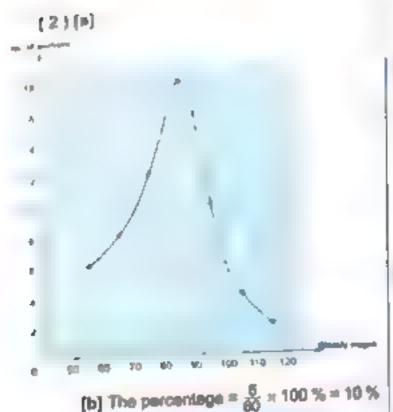
 Length : Width Length + Width
 9 5 14
 ? 28

 The length = $\frac{9 \times 28}{14} = 18$ cm

 The width = $\frac{5 \times 28}{14} = 10$ cm.

 The area = $18 \times 10 = 180$ cm²
- (4)4:1 (5)28 (6)16
- (b) The price of oil = 27 × 9.5

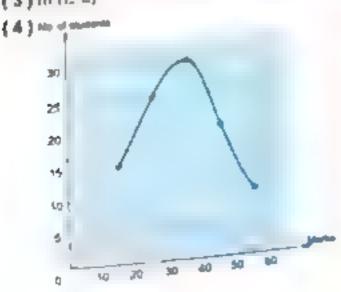
* 256.5 pounds



10 Suez

- (1) reduction (2) 1/8 (3) (4) 0.3 (5) 1: 3 (6) the length of the set
 - (7)8 9 (8) volume height (9)3 papers/min
- (1)20 (2) rectangle (3) > (4) square (5) 1 100 (6) 62.5 (7) 180° (8) 4 000 (9) 30 (10) 54 (11) 22 7 (12) < (13) age
- (1) The percentage = 13 × 100 % = 65 % (2) The edge length = 132 = 12 = 11 cm.

 The volume = 11 × 11 × 11 = 1 331 cm³
 - (3) m (4 L) = 118° +m (4 LXZ) = 27°



11 Port Said

- (1)6 (2) volume (3)3 8 (4)5
 - (5) minimization
 - (6) 12 (7) rhombus
 - (8)114 (9)30
 - (10) 12 (11) reclangle
 - (12) age (13) 65 %
- 2 (1)2 5
 - { 2 } base length × corresponding height
 - (3) 150 1 (4) 80
 - (5)5.8 (6)271
 - (7)6 (8)80' (9)40
- (1) The volume of the cube = 12 × 12 × 12 = 1 728 cm³
 - The volume of each ingot = $3 \times 4 \times 6$ = 72 cm^3

The number of ingots = 1 728 + 72 = 24 ingots.

(2) 1st person 2st person 3st person Sum

15	000 15	:	25 000 26	:	20 000	1	(+ 1 GOU) (+ 5)
			5		4	4	12
	2	4	7	ř		1	5 520

The share of the 1th person

$$=\frac{3 \times 5}{12} = 1380$$
 pounds

The share of the 2nd person

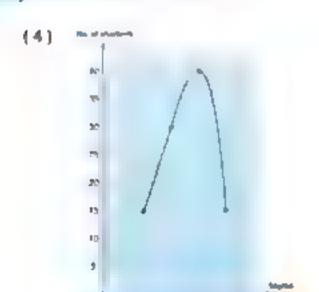
The share of the 3rd person

(3) Prosibelore decourt. Decourt. Prosieher decourt

100 % 15 % 425

The price before discount

100 × 425 ± 500 pounds



12 El-Menia

- (1)< (2)7 (3)12 (4) rectangle (5) age (6)30 (7)6 (8)75 (9)9.20 (10)3600 (11)30 (12)3 4
- (16) 1 9 (17) 7 (18) 4 (19) 50 (20) 1 : 100
- (21) Hans Maged Difference 5 : 5 : 1 7 : 7 : 10

Hani's weight = $\frac{5 \times 10}{1}$ = 50 kg

Maged's weight = $\frac{6 \times 10}{1}$ = 50 kg. (22) Price before decount. Discount. Price after discount

> 100 % : 10 % : 90 % ? : : 1 800

The price before discount = $\frac{100 \times 1800}{90}$ = L.E. 2 000

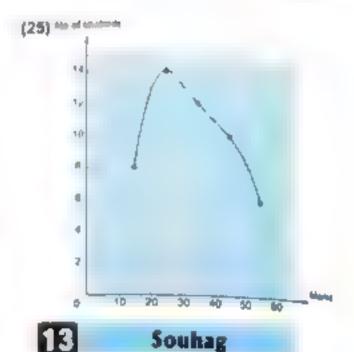
(23) The volume of the cube = $12 \times 12 \times 12$ = 1.728 cm^3

> The volume of each ingot = $3 \times 4 \times 6$ = 72 cm^3

The number of ingots = 1 728 + 72 = 24 ingots.

(24) [a] m (Z C) = 110°

(b) The perimeter = (8 + 5) = 2 = 26 cm.



1 (1) $\frac{1}{4}$ (2) 25 cm² (3) 9 (4) 1 000 (5) mombus (6) $4\frac{4}{5}$ (7) 5 (8) 90 (9) 1 726 cm² (10) $\frac{2}{5}$ (11) < (12) 3 · 1 (13) age

2 (1) 2.5 (2) hollow solid (3) reduction (4) with a right angle (5) 0.9 (6) 150 : 1 (7) Cube (8) rhombus : square (9) 4

(1) The rest = 17 - 6 = 12 kirsts.

- Son : Daughler : Sum

 2 : 1 : 3

 7 : 7 : 12

 The share of the son = $\frac{2 \times 32}{3} = 8$ kirsts.

 The share of the daughter = $\frac{1 \times 12}{3}$ = 4 kirsts.
 - (2) [a] m (∠ D) = 100° [b] m (∠ ACD) = 45°
 - (c) The perimeter of parallelogram = 8 + 5 + 6 + 5 = 22 cm.
 - (3) Price before discount. Discount. Price after discount.

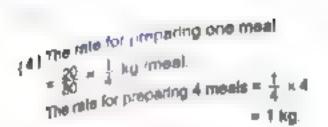
 100 % : 5 % : 95 %

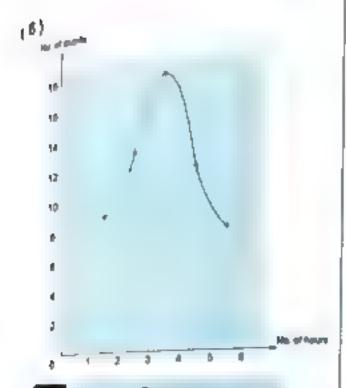
 2 185

 The price before discount = 100 × 2 185

 ± 2 300 pounds.

ANSWERS OF FINAL EXAMINATIONS





Luxor

[] (1) the minimum value

(2) base area + height

(1) 15 000 (4) rhombus - square

(\$)5:1 (6)10:3

(7)40 (8)5:11

(9) length in drawing a length in reality

[](1)/hombus (2)10 23 (3)3 cm.

(4)4 1 (5)45 (6)46

(7) 10 L.E./day (8) 84

(9) age (10) 6 (11) >

[12] 56 000 (13) 6

(3) Length in drawing Length in reality

1 1 500 000 3 7 The real distance = 3 × 1 500 000

= 4 500 000 cm.

≃ 45 km.

(2) 1" person 2" person 3" person 8um

1 500 : 2 500 : 2 000 · (* 100)

15 : 25 : 20 . (* 4)

3 : 5 : 4 . 12

7 : 7 : 7 6 000

The shere of the 1" person = $\frac{3 \times 6000}{12}$ = LE 1 500

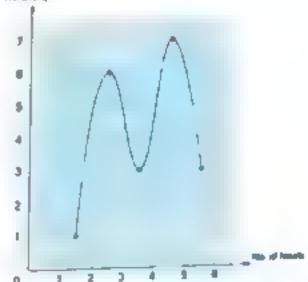
The shere of the 2"d person = $\frac{5 \times 6000}{12}$ = LE 2 500

The shere of the 3"d person = $\frac{4 \times 6000}{12}$ = LE 2 500

(3) [a] m (AADC) = 80°

[b] The perimeter = $(8 + 4) \times 2 = 24$ cm.

(4) to struct



15 Aswan

(1) 1 3 (2) 15 (3) enlargement (4) 3 · 4 (5) 8 (8) 3 000 (7) $\frac{3}{4}$ (8) 15 (\$) rectangle (10) 35 (11) 1 : 100 (12) age (13) 30

2 (1) LE 1875 {2) 15 (3) 210 {4) 5 6 {5} 60 (6) \(\bigcirc \bigci

Some Governorates Examinations for the Year 2017

1 Cairo Governorate (2017)



Answer the following questions : (Calculator is allowed)

- Complete the following:
 - [a] If $\frac{x}{8} = \frac{3}{4}$, then $x = \frac{3}{4}$.



- [c] The quadrilaterals in which its diagonals are equal in length and bisect each other are called and
- [d] The difference between the greatest value and the smallest value in a set of individuals is called

Choose the correct answer from those given :

- [a] If the volume of a cuboid is 24 cm³ and the area of its base is 6 cm², then its height = · · · · · · · · cm. (3 or 4 or 12 or 18)
- [b] The following data are descriptive except

- [c] 1 500 cm³ = · ········ litre (0.15 or 1.5 or 15 or 150)
- [d] If an agricultural machine ploughs 14 feddans in 3.5 hours, then the rate of performance of this machine is feddans/hour $(\frac{1}{4} \text{ or } 2\frac{1}{2} \text{ or } 4 \text{ or } 10\frac{1}{2})$
- [a] If the distance between two cities on a map of drawing scale 1 : 500 000 equals 3 cm. Find the real distance between the two cities.
 - (b) The sum of the six faces areas of a cube is 54 cm².

 Find: (1) Its edge length. (2) Its volume.
- [a] The number of pupils of a primary school in the first, the second and the third grades is 240 pupils, if the ratio among the three grades is 5:4:3 Calculate the number of pupils in each grade of them.
 - [b] Heba bought an electric sweeping machine for L.E. 425 with discount 15 % Calculate the original price of the sweeping machine before discount.

45



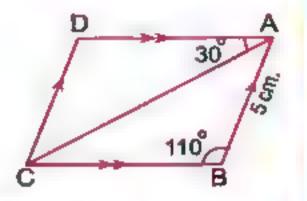
هذا العمل حصرى على موقع ذاكرولى التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com



ABCD is a parallelogram in which m (∠ B) = 110° $_{P}$ m (\angle DAC) = 30° and AB = 5 cm.

Find: (1) The length of CD

(2) m (∠ BAC)



[b] The following table shows the marks of 100 pupils in mathematics :

Marks	10 -	20 -	30 –	40 –	50 -	Sum
Number of pupils	15	25	30	20	10	100

- (1) Draw the frequency curve for this distribution.
- (2) What is the number of pupils who get 30 marks or more?

Giza Governorate (2017)



Answer the following questions : (Calculator is allowed)

- Complete the following:
 - [a] 1 30 % = ········
 - [b] If $\frac{2}{5} = \frac{x}{15}$, then $x = \dots$
 - [c] The two diagonals are equal in length in each of "" " and "" and ""
 - [d] If the drawing scale < 1, this expresses
- Choose the correct answer:

= cm3

[a] If A: B = 2:5 , B: C = 5:9, then A: C =

(5:2 or 2:9 or 5:7 or 2:11)

[b] The volume of the cube in which the sum of all its edge lengths is 36

(27 or 63 or 72 or 108) [c] The range of the set of the values 7,3,6,9 and 5 is ...

(3 or 4 or 6 or 12)

[d] The opposite data are quantitative except the

(age or tallness or weight or favorite colour)

- [a] If the length of Suez Canal on a map of scale drawing 1: 1 100 000 is 15 cm. , then find its real length in km.
 - [b] A water tap is leaking 20 litres of water in 5 hours. Find the leaking rate of water per hour (Please advise them).



هذا العمل حصري على موقع ذاكرولي التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تَفَصَل بزيارة موقعنا على الانترنت https://www.zakrooly.com لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت

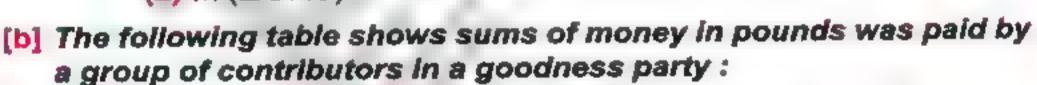
- [a] A swimming pool in the shape of a cuboid whose internal dimensions are 40 m. 30 m. and 1.8 m. Find its capacity in litres.
 - [b] In one of our schools, there are 560 students, if the number of girls = 을 the number of boys. Find each of the number of boys and girls.
- [a] In the opposite figure :

ABCD is a parallelogram in which

 $m (\angle B) = 130^{\circ} \text{ and } m (\angle DAC) = 25^{\circ}$

Find: (1) $m (\angle D)$

(2) m (∠ BAC)



The sum	50 -	60 -	70 –	80 –	90 –	100 -
No. of contributors	5	7	10	12	10	7

- (1) Draw the frequency curve of this distribution.
- (2) What is the number of contributors by L.E. 80 and more?

Alexandria Governorate (2017)

Answer the following questions:

- Choose the correct answer :

(0.5 or 0.25 or 0.125 or 0.375)

[b] If $\frac{2}{7} = \frac{x}{21}$, then $x = \dots$

(6 or 21 or 12 or 7)

[c] 4 200 000 cm³ = m³

(42 or 420 or 4.2 or 4200)

[d] The opposite data are quantitative except

(tallness or age or number of sons or favorite food)

Complete the following:

- [a] 56 days = · ··· weeks.
- [b] The ratio between ½ kilogram and 700 grams = ······ : ········
- [c] If the values of a frequency distribution lie between (20, 60), then the range of this distribution =
- [d] If one of the angles of the parallelogram is right and two of its adjacent sides are equal in length, then it is called





لمزيد من أعمالنا تَفَضَل بزيارة موقعنا على الانترنت https://www.zakrooly.com لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت

- [a] In a class of a primary (mixed school) the number of boys = 4 the number of girls, if the number of boys is 16 pupils, what is the number of the pupils in the class?
 - [b] Ahmed drew a picture to his brother Osama with a drawing scale 1:40 If the real height of Osama is 160 cm. What is his height in the picture?
- [a] Find the buying price of goods sold for L.E. 21 520 and the percentage. of profit is 15 % and find the profit.
 - [b] A cube of metal its edge length equals 12 cm. need to be melted down and converted into alloys in the form of a cuboid with dimensions 3 cm. , 4 cm. and 6 cm. Calculate the number of alloys that can be obtained.
- [a] A cube-shaped vessel, its internal edge length is 30 cm., it is filled with food oil:
 - (1) Calculate the capacity of food oil.
 - (2) If the price of one litre of food oil is 9.5 pounds. Calculate the price of all oil.
 - [b] The following table shows the marks of 100 pupils in math exam :

Sets	10 -	20 -	30 -	40 -	50 -	Total
Frequency	15	25	30	20	10	100

Draw the frequency curve for this distribution.

El-Kalyoubia Governorate (2017)



Answer the following questions:

Complete the following:

- [b] A water tap is leaking 360 litres of water in an hour, then the leaking rate of water per minute = litres/minute
- [d] The circumference of a circle =

Choose the correct answer :

[a] If
$$\frac{x+12}{8} = 2$$
, then $x = \dots$ (6 or 4 or 8 or 16)



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- [b] If the perimeter of a cube base is 36 cm., then its volume = ... cm³.

 (36 or 6 or 729 or 216)
- [c] 25 % of 1 000 = 50 % of

(2000 or 1500 or 1250 or 500)

[d] If the real length of a tree is 6 m. and its drawing length is 3 cm. , then the drawing scale =

(1:100 or 1:200 or $\frac{1}{300}$ or 1:600)

- [a] The ratio between the height of a building and the height of a tower is $\frac{4}{20}$ If the height of the building is 36 metres, find the height of the tower.
 - (b) A model for a football playground is drawn with a drawing scale 1:500, if the dimensions of the playground in the model are 2 cm. and 4 cm. Find: (1) The real dimensions of this playground in metres.
 - (2) The real area of this playground.

[a] In the opposite figure :

ABCD is a trapezium in which m(∠ B) = 90°

- AD = 7 cm. AB = 4 cm. BC = 10 cm.
- , DC = 5 cm. and ABED a rectangle , complete :



7 cm.

- (1) AB = cm.
- (2) EC = cm.
- (3) The perimeter of the triangle DEC = cm.
- [b] A swimming pool is in the shape of a cuboid whose internal dimensions are 40 m., 30 m. and 1.8 m. Find its capacity in litres.
- [a] ABC is a right-angled triangle at B, if the ratio between the measures of the angles A and C is 2:3, find the measure of each of the two angles.
 - [b] The following table shows the temperature degrees expected for 30 cities in one of the summer days :

Temperature degree	24 -	28 –	32 -	36 –	40 -	44 –	Total
Number of cities	3	4	7	9	5	2	30

Draw the frequency curve of the previous table.

العداموريانيات لنات (Worksheets & Examinations) / ٢ ب أ تيرم ١ (م : ٧)



هذا العمل حصرى على موقع ذاكرولى التعليمى ولا يسمح بنشره فى أى مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com

5 El-Sharkia Governorate (2017)



Answer the following questions:

- Choose the correct answer :
 - [a] The rhombus haslines of symmetry.

(zero or 1 or 2 or 4)

[b] If the ratio 7:13 is the same ratio x:52, then $x=\cdots$

(14 or 21 or 28 or 35)

[c] The opposite data are descriptive except ------

(the favorite colour or birth place or blood species or age)

[d] 1.45 litre + 0.5 dm³ + 50 cm³ = litres

(51.95 or 2 or 2.45 or 3)

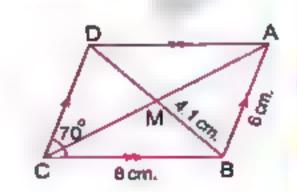
- Complete the following :
 - [a] If 945 = (A × 100) + 45, then A =
 - [b] The ratio between 12 kirats and $1\frac{1}{2}$ feddan (in the simplest form) is
 - [c] If 87 is the greatest individual of a set and the range = 39, then the smallest individual of this set equals
- [a] A man distributed 6 300 pounds between his three sons, if the share of the first was third of the money and the ratio between the share of the second and the third is 3 : 2 Calculate the share of each of them.
 - [b] If the distance between two cities is 180 km, and the drawing scale is 1:9 000 000 How long is the distance between the two cities on the map?
- [a] Nahed bought a computer for L.E. 4 500 and the discount was 10 % Calculate the original price of the computer before discount.
 - [b] In the opposite figure:

ABCD is a parallelogram in which AB = 6 cm.

, BC = 8 cm. , BM = 4.1 cm. and m (∠ C) = 70°

Without using geometrical instruments ,

find : m (\angle ADC) , the perimeter of \triangle BCD



50



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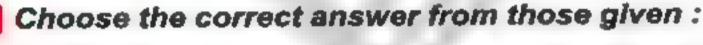
- [a] The sum of the lengths of all edges of a cube is 132 cm. Calculate its volume.
 - [b] The following table shows the marks of 90 students in maths test :

Marks	10 –	20 –	30 -	40 -	Total
Number of students	15	25	30	20	90

Draw the frequency curve for this data.

6 El-Monofia Governorate (2017)

Answer the following questions : (Calculator is allowed)



[a] 2.8 dm³ = litres

(2.8 or 28 or 2800 or 28000)

[b] If $\frac{3}{4} = \frac{x}{20}$, then $5x = \dots$ (15 or 20 or 75 or 5)

[c] The sum of the two numbers X and Y is 20, then Y =

 $(20 + X \text{ or } 20 - X \text{ or } X - 20 \text{ or } \frac{X}{20})$

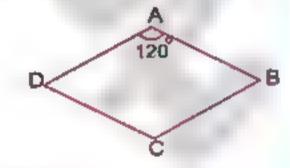
[d] From the quantitative data is

(the favourite colour or favourite food or the age social case)

Complete the following:

- [a] A machine produces 240 pieces of certain materials in 3 hours , then the rate of production of the machine = pieces/hour
- [b] If the values of a frequency distribution the between (10,50), then the range of this distribution =
- [c] The triangle whose side lengths are 7 cm. , 7 cm. and 7 cm. is "
- [d] In the opposite figure:

ABCD is a rhombus in which m (∠ A) = 120° , then m (∠ B) =



[a] A garden in the shape of a square of side length 50 metres. It is drawn with a drawing scale 1:1000 Find its area on the drawing in cm².



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- (b) Maher bought a car for L.E. 49 000 and he spent L.E. 1 000 for repairing it, then the sold it for L.E. 55 000 Calculate the percentage of profit.
- [a] Find the volume of the cube in which the sum of lengths of all its edges is 36 cm.
 - [b] If the ratio between Ahmed's money and Mohamed's money is 7:4 and if Ahmed's money exceeds Mohamed's money by L.E. 60 Find the money with each of them.
- [a] A cuboid its base is a square-shaped whose perimeter is 20 cm. and its height is 7 cm. Calculate its volume.
 - [b] On the orphan day , a group of students donated amounts of money in pounds shown in the following table :

Money in pounds	3 –	5 –	7-	9 –	11 -	Total
Number of students	7	10	15	10	8	50

- (1) What is the number of students who donated by 9 pounds and more?
- (2) Draw the frequency curve for this frequency distribution.

El-Gharbia Governorate (2017)



Answer the following questions:

- Choose the correct answer from those given :
 - [a] The ratio between 3 feddans and 40 kirats equals

$$(\frac{3}{4} \text{ or } \frac{5}{9} \text{ or } \frac{9}{5} \text{ or } \frac{4}{3})$$
(3 or 5 or 15 or 27)

[b] If
$$\frac{5}{9} = \frac{15}{x}$$
, then $x = \dots$

- [c] If one of the angles of the parallelogram is right and two of its adjacent sides are equal in length, then its is called

(rhombus or square or triangle or rectangle)

[d] The range of the set of values 5,4,8,12 and 7 is

(8 or 7 or 5 or 4)

Complete:

- [a] = + 30 % = ··········· %
- [b] The volume of a cuboid equals 400 cm³, its length is 8 cm. and its width is 5 cm., then its height = ---- cm.

52



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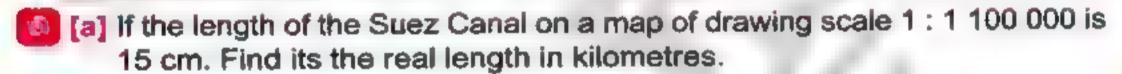
- [d] All the following data [volume, area, length, blood type] are quantitative except
- [a] If the ratio between Ahmed's money and Omar's money is 9: 13, if the sum with them is 440 pounds. Find the money with each of Ahmed and Omar.
 - [b] 10 litres of water were poured in a pot in the shape of a cuboid, its base is in the form of a square, its side length from the inside is 25 cm. Find height of the water in the pot.
- [a] Abeer bought a TV set for 1 800 pounds and the discount was 10 % Calculate the original price of the TV set before discount.
 - [b] In the opposite figure:

m (∠ BAD) = 65° , m (∠ DBC) = 45°

, AB = 6 cm. , CB = 8 cm. and MD = 3.5 cm.

Calculate without using measuring tools:

- (1) m (∠ ABD)
- (2) m (∠ ADC)
- (3) Perimeter of \triangle ABD



[b] The following table shows the marks of 50 students in English exam:

ļ	Marks	0 -	5 –	10 -	15 -	20 -	Total
	Number of students	4	8	20	12	6	50

- (1) Draw the frequency curve.
- (2) How many students who record less than 10 marks?

8 El-Dakahlia Governorate (2017)



8 cm.

Answer the following questions:

- Complete the following:
 - [a] The capacity is
 - [b] A square, the length of its diagonal is (10 cm.), then its area = cm?
 - [c] If (A is half B) and (B is twice C), then A: C = ----:
 - [d] The range of the set of values 7,3,6,9 and 5 is

53



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Choose the correct answer :

[a] The opposite data are descriptive except

(the favorite colour or birthday or age or blood species)

[b] 75 % litre + 25 % dm³ =

(10 litre or 1 000 cm³ or 100 dm³ or 100 cm³)

[d] 263.5 cm. = ····· metres (to the nearest metre)

(26 350 or 264 or 3 or 260)

- [a] The ratio between the length of a rectangle to its width equals 7:4, its perimeter is 44 cm. Find the length and the width of the rectangle. Then calculate its area.
 - [b] Aquarium in the shape of cuboid, the inner dimensions of its base are 20 cm., 15 cm., if 12 litres of water was poured in it.

 Find the depth of the water.
- [a] The height of a minaret is 45 metres and the length of its shadow in a moment equals 24 meters. What is the height of a tree if the length of its shadow equals 8 metres in the same moment?
 - [b] In the opposite figure:

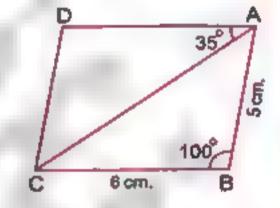
ABCD is a parallelogram in which AB = 5 cm.

, BC = 6 cm. , m (∠ B) = 100° and m (∠ DAC) = 35°

Without using measuring tools , find:

(1) m (∠ D)

- (2) m (∠ ACD)
- (3) The perimeter of parallelogram.



- [a] The owner of a bookshop sold 25 % of notebooks and the remainder was 60 notebooks. How many notebooks were there first?
 - [b] The following table shows the degrees of (60) students in one month in math :

Marks	10 -	20 –	x-	40 –	Total
Number of students	10	15	25	10	60

- (1) Find the value of x
- (2) Draw the frequency curve for that distribution.

54



Hillal Examinations

9 Ismailia Governorate (2017)



Answer the following questions : (Calculator is allowed)

- Complete the following:
 - [a] The rhombus becomes a square if its diagonals are · · · · · ·····
 - (in the simplest form)

 - [d] The circumference of a circle = $\pi \times$
- Choose the correct answer from those between brackets:
 - [a] If $\frac{x}{21} = \frac{2}{7}$, then $x 3 = \dots$ (6 or 4 or 3 or 2)
 - [b] The range of the set of values 4,7,3 and 9 is

(12 or 6 or 5 or 3)

- [d] The lowest common multiple of 6 and 9 is

(3 or 6 or 9 or 18)

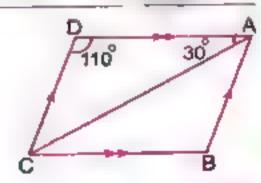
- [a] Ahmed spends L.E. 45 in 5 days.

 Calculate the rate of spending in one day.
 - [b] The owner of one of electrical appliances sold a refrigerator for 3 180 pounds. If the percentage of his profit is 6 % Find the buying price of the refrigerator.
- [a] A cube the perimeter of its base = 40 cm. Find its volume.
 - [b] Three persons shared in a trade. The first paid 50 000 pounds and the second paid 40 000 pounds and the third paid 30 000 pounds, at the end of the year the profit was 36 000 pounds. Find the share of each in profit.
- [a] In the opposite figure :

ABCD is a parallelogram in which m (\angle D) = 110° and m (\angle CAD) = 30° Find :

(1) m (∠ CAB)

(2) m (\(\neq B\)



55



[b] The following table shows the marks of 100 pupils in mathematics :

Marks	10 —	20 —	30	40 —	50 -	Total
Number of pupils	15	35	25	15	10	100

- (1) Draw the frequency curve for this distribution.
- (2) Calculate the number of pupils who got less than 30 marks.

10 Suez Governorate (2017)



Answer the following questions: (Calculator is allowed)

Complete the following :

[a] 8 hours: $\frac{1}{2}$ day = \cdots : \cdots (in the simplest form)

(b) If $\frac{2}{7} = \frac{x}{21}$, then $x = \frac{x}{21}$

[c] $4 \text{ m}^3 = \dots \text{ dm}^3$

[d] The two diagonals are equal in length in each ofandand

Choose the correct answer from those given :

[a] 0.03 < (0.02 or 0.1 or 0.009 or 0.011)

(L.E. 61 000 or L.E. 62 000 or L.E. 63 000 or L.E. 65 000)

[c] The volume of a cuboid whose dimensions are 2 cm. , 3 cm.

and 5 cm. = (30 cm. or 30 cm² or 30 cm³ or 10 cm³)

[d] The range of the set of values 7,3,6,9 and 5 is

(9 or 3 or 6 or 7)

- [a] An agricultural machine ploughs 6 feddans at 3 hours. Find the rate of performance of this machine per hour.
 - [b] Three persons set up a commercial business, the first paid $\frac{3}{4}$ what the second paid, the second paid $\frac{2}{3}$ what the third paid, at the end of the year the profit became L.E. 6 240

Calculate the share of each of them from profit.



56

- [a] The sum of lengths of all edges of a cube is 36 cm. Calculate its volume.
 - [b] The following table shows the marks of 100 students in one month in math:

Marks	10 -	20 –	30 -	40 -	50 -	Total
Number of students	15	25	30	20	10	100

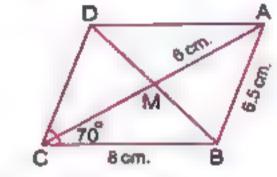
Draw the frequency curve for this distribution.

- [a] If the distance between two cities is 180 km. and the drawing scale is 1:900 000 How long is the distance between the two cities on the map?
 - [b] In the opposite figure :

ABCD is a parallelogram in which AB = 6.5 cm.

, BC = 8 cm. , AM = 6 cm. , m (\angle C) = 70°

Without using geometrical instruments, find:



- (1) m (∠ ABC)
- (2) The length AC
- (3) The perimeter of △ ABC

Port Said Governorate (2017)



Answer the following questions:

Complete the following:

[a] 8 765 × ······ = 876.5

[b] The length of set = -----+ the number of sets

[c] The cube each two adjacent faces intersect at a line segment which is called

[d] The ratio between 18 months and 3 years =

(in the simplest form)

Choose the correct answer from those given :

[a] 7 ····· ···· { 17 , 707 }

 $(\subset or \not\subset or \in or \not\in)$

[b] 6.7 dm³ = ····· litres

(67 or 6.7 or 670 or 6700)

[c] The opposite data are quantitative except

(age or height or the favorite colour or weight)

[d] If $\frac{18}{x} = 20 \%$, then $x = \dots$ (90 or 100 or 120 or 190)

(۱۵: ۱) المطامور رباضيات لفات (Worksheets & Examinations) / ۲ ب/ تبرع ۱ (م: ۸)



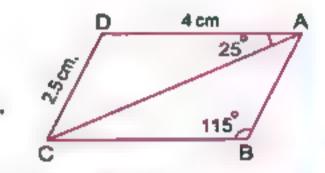
هذا العمل حصري على موقع ذاكرولي التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت https://www.zakrooly.com لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت

- [a] A family spends L.E. 450 in 5 days.

 What is the rate of what the family spends per day?
 - [b] A metallic cube of edge length 18 cm., it needs to be converted into ingots in the shape of cuboids each of them has the dimensions 3 cm., 6 cm. and 9 cm. Calculate the number of ingots that are obtained.
- [a] Find the buying price of goods sold for L.E. 17 250 and the percentage of profit is 15 %
 - [b] In the opposite figure:

ABCD is parallelogram in which m (\angle B) = 115°, m (\angle DAC) = 25°, AD = 4 cm. and CD = 2.5 cm.

Find: The length of BC, m (∠D), m (∠ACD)



- [a] The distance between Port Said and Ismailia on a map of drawing scale 1: 1 000 000 equals 9 cm. Find the real distance.
 - [b] The following table shows the degrees of 100 students in one month in math:

Sets	10 -	20 –	30 -	40 –	50 - 60	Total
Frequency	15	25	30	20	10	100

- (1) Draw the frequency curve for this distribution.
- (2) What is the number of students who record less than 30 degrees?

12 Damietta Governorate (2017)



Answer the following questions: (Calculator is allowed)

- Complete the following:
 - [a] The difference between the greatest value and the smallest value in a set of individuals is called

 - [c] If x, 18, 6 and 9 are proportional, then $x = \dots$
 - [d] The volume of a cube whose sum of lengths of its edges is 36 cm. equals ... cm³.

58



- Choose the correct answer from those given :
 - [a] 6 500 dm³ = m³ (65 000 or 650 or 65 or 6.5)

 - [d] An agricultural machine ploughs 14 feddans in 3.5 hours, then the rate of performance of the machine in feddan per one hour is

 $(\frac{1}{2} \text{ or } 4 \text{ or } 8 \text{ or } 49)$

- [a] The ratio between the heights of two buildings is 4:7, if the difference between their heights is 9 metres. Find the height of each building.
 - [b] A tank in the shape of a cuboid whose dimensions are 7 m. , 5 m. and 9 m. Find the volume of water which fill its third.
- [a] Three persons participated in a commercial project, the first paid $\frac{3}{4}$ of what second paid and the second paid $\frac{2}{3}$ of what third paid. At the end of the year the profit was L.E. 6 240

 Calculate the share of each of them.
 - [b] Heba bought an electric sweeping machine for L.E. 221, if the discount was 15 %

Calculate the original price of the sweeping machine before discount.

[a] In the opposite figure:

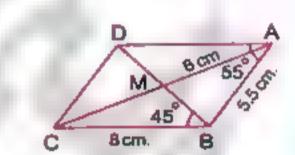
ABCD is a parallelogram where AB = 5.5 cm.

, BC = 8 cm. , AM = 6 cm. , m (\angle BAD) = 55°

, m (∠ DBC) = 45° Without measuring , find :

(1) m (∠ ABD)

(2) Perimeter of \triangle ACD



[b] On the orphan day a group of students donated amounts of money In pounds in the following table :

Money in L.E.	3 -	5 –	7 –	9 –	11 —	Total
Number of students	7	10	15	10	8	50

- (1) Represent this data by the frequency curve.
- (2) What is the number of students who donated by 9 pounds and more?

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13 Kafr El-Sheikh Governorate (2017)



Answer the following questions: (Calculator is allowed)

- Complete the following:
 - [a] The area of triangle =
 - [b] A cube, its perimeter of the base is 36 cm., then its volume = ---- cm³.
 - [c] The ratio between 0.75 kirat : 16 sahms = : in the simplest form
 - [d] If $\{3,6\} = \{9-x,3\}$, then $x = \dots$
- Choose the correct answer from those given :
 - [a] The range of the set of values 7,3,6,9,5 equals

(3 or 4 or 6 or 17)

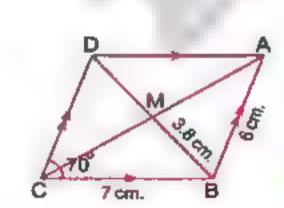
[b] The length of an insect in the picture is 4 cm. and its real length is 2 millimetres, then the drawing scale is

(1:20 or 1:80 or 20:1 or 80:1)

- [c] 4.6 liter = mL. (46 or 460 or 4600 or 46 000)
- [a] If the ratio between dimensions of rectangle is 3: 4 and its perimeter equals 140 cm., find its area.
 - [b] Find the cost price of goods sold for 21 275 pounds, with profit percentage 15 % and find the value of the profit.
- [a] A piece of building land is distributed between two brothers in the ratio 7:5, if the share of the first one exceeds the share of the second by 80 square metre. Find the area of the land.
 - [b] In the opposite figure:

ABCD is a parallelogram in which AB = 6 cm.

- , BC = 7 cm. , BM = 3.8 cm. and m (∠ C) = 70°
- , without using geometrical instruments find :
- (1) m (∠ ADC)
- (2) The perimeter of Δ BCD



60



- [a] A swimming pool, its internal dimensions are 30, 15 and 2 metres, if 405 m³ of water are poured into it Find the height of water in the swimming pool in centimetres.
 - [b] The following table shows the degrees of 100 students in one month in maths :

Marks	20	30 -	40 -	50 -	Sum
Number of students	15	30	40	15	100

- (1) Draw the frequency curve for this distribution.

14 El-Beheira Governorate (2017)



Answer the following questions:

- Choose the correct answer :
 - [a] The centimetre cube is a unit for measuring

(the perimeter or the area or the volume or the length)

[b] If the ratio among the measurements of the angles of a triangle is 1:2:3 then the measure for the smallest angle equals

(10° or 30° or 45° or 60°)

[c] The diagonals are perpendicular in each of

(square and rectangle or rhombus and rectangle

or square and rhombus or parallelogram and rectangle)

[d] is quantitative data. (The favourite colour or The birth place or The blood species or The age)

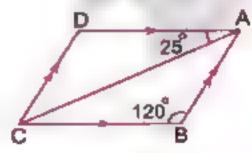
Complete the following statements :

[c] In the opposite figure :

ABCD is a parallelogram

, m (∠ BAC) = · · · · °

[d] If the marks of 5 pupils in one in the tests are 29,33,57,40,36, then the range for these marks is equal to



61



- [a] Two machines for the manufacture of cloth. The first produces 500 metres of cloth in two hours and the second produces 600 metres of cloth in 2 ½ hours. Which of the two machines is more efficient?

 (Determine the steps of solution)
 - [b] Atlas of a number of cities drawn at a scale of 1: 100 000, if the real distance between the two cities is 36 km., find the drawing distance between them in this atlas.
- [a] A man died and left a piece of land for building, its area is 17 kirats. He recommended for building on orphan house on area equals 5 kirats. The remainder is distributed between his son and his daughter in the ratio 2: 1 Calculate the share of each of them from the land.
 - (b) A swimming pool in the shape of a cuboid whose internal dimensions are 40 m., 30 m. and 1.8 m. Find its capacity in litres.
- [a] A glass vessel is cubed-shaped, its inner edge length is 30 cm. This vessel contains an amount of water. If we throw a metallic piece in it, then the water level raised 5 cm. because of that. Find the volume of the metallic piece.
 - [b] The following frequency distribution table represents the dally wages of a sample formed from 50 workers in a factory :

Wages	10 -	20 -	30 -	40	50 -	60 -	70 – 80	Total
Number of workers	4	6	10	14	8	5	3	50

- (1) Draw the frequency curve.
- (2) Find the percentage of the number of workers whose wages are less than L.E. 40

15 El-Fayoum Governorate (2017)

Answer the following questions: (Calculator is allowed)

- Complete each of the following :
 - [a] The ratio between 18 kirats: $\frac{1}{2}$ feddan =:

(in the simplest form)

- [c] A vase in the shape of a cube the length of its interior edge equals 20 cm. then its capacity = ········· litres.

62



- [d] If the values of a frequency distribution lie between (20, 60), then the range of this distribution =
- Choose the correct answer from those between brackets :

[a] If
$$\frac{5}{9} = \frac{15}{x}$$
, then $x = \dots$

[b]
$$\{3,5\} \cap \{4,5\} = \dots$$
 ($\{3\}$ or $\{5\}$ or $\{4\}$ or $\{3,4,5\}$)

4} or
$$\{3,4,5\}$$

[c] The opposite data are quantitive data except

(the length or the age or the birth place or the weight)

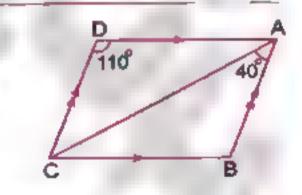
[d] If the volume of the cuboid equals 400 cm3 and the area of its base equals 50 cm², then its height =cm.

(8 or 80 or 40 or 50)

- [a] A map is drawn with a scale 1 : 200 000 , if the distance between two cities on this map is 8 cm. Find the real distance between the two cities in kilometers.
 - [b] Osama bought a car in the price L.E. 60 000 and he sold it with profit 5 % Find the selling price of the car
- [a] If the ratio between the share of Hany and the share of Sherif and the share of Khalid is 3:5:7 and if the share of Hany is L.E. 24 Calculate the share of each of Sherif and Khalid.
 - [b] A cube of metal its edge length equals 12 cm. need to be melted down and converted into alloys in the form of a cuboid with dimensions 3 cm. , 4 cm. and 6 cm. Calculate the number of alloys that can be obtained.
- [a] In the opposite figure :

ABCD is a parallelogram in which $m (\angle D) = 110^{\circ} , m (\angle BAC) = 40^{\circ}$

Find: m (\(B \), m (\(DAC \)



[b] The following table shows the marks of 50 pupils in mathematics exam:

The marks	15 –	20 –	25 –	30 -	35 –	Total
No. of pupils	8	12	14	10	6	50

Draw the frequency curve for this distribution.



هذا العمل حصري على موقع ذاكرولي التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تَفَصَل بزيارة موقعنا على الانترنت https://www.zakrooly.com لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت

16 Beni Suef Governorate (2017)



Answer the following questions:

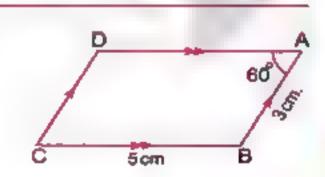
- Complete the following :

 - [b] If $\frac{3}{4} = \frac{x}{12}$, then $x = \frac{1}{12}$
 - [c] 5 + 5 + 5 + 5 = 5 x =
- Choose the correct answer from those given between brackets:

 - [b] The side length of a square = 4 cm., then the ratio between its side length and its perimeter =(4:1 or 1:3 or 3:1 or 1:4)
 - [c] A cuboid its volume is 400 cm³, its length is 8 cm. and its width is 5 cm., then its height =cm. cm. (8 or 5 or 10 or 4)
- [a] A factory produces 1 000 juice cans in 4 hours , calculate its production rate per hour.
 - [b] A man deposit L.E. 9 000 in a bank and the percentage of interest 10% per year. What is the amount of this sum after one year?
- [a] The sum of edges length of a cube is 36 cm. Find volume of this cube.
 - (b) Atlas of a number of cities drawn at a scale of 1 : 200 000 , if the real distance between the two cities is 48 km. Find the distance between them in this atlas.
- [a] In the opposite figure :

ABCD is a parallelogram in which AB = 3 cm.

- , BC = 5 cm. and m (∠ A) = 60° Find :
- (1) m (\(\alpha\) C)
- (2) The perimeter of parallelogram ABCD



क्षावीक्य्रीव

[b] The following table shows the marks of 100 pupils in maths :

The sets	10 -	20 –	30 -	40 -	Sum	
The frequency	25	30	25	20	100	

Draw the frequency curve for this data.

17 El-Menia Governorate (2017)



- Choose the correct answer from those given :

(1:6 or 1:5 or 1:4 or 1:3)

- [b] If the sum of the edges length of a cube equals 24 cm.
 - , then its volume = cm³
- (8 or 12 or 64 or 128)

[c] 2.7 + 0.09 = ··········

- (3 or 30 or 0.3 or 0.03)
- Which of the following data is countable?
 - (the favorite colour or the place of birth or the age or the blood species)
- Complete the following:
 - [a] The two diagonals are perpendicular in each of and
 - [b] Three tenths of a number = %

 - [d] 6.284 × 10 = ··············
- [a] If the ratio between the dimensions of rectangle is 3: 4 and its perimeter equals 70 cm. Find its area.
 - [b] Ahmed draws a picture to his brother Osama with a drawing scale 1:40, if the real height of Osama is 160 cm.
 What is his height in the picture?
- [a] If the cost price of a set of electric appliances is 60 000 pounds and it is sold at 12% profit. Calculate the selling price.
 - [b] A cube of cheese its edge length is 15 cm. it needs to be divided it into small cubes the edge length of each is 3 cm. for presenting them through meals. Calculate the number of resulting small cubes.

المحامد بالنبات للك (Worksheets & Examinations) / ٦٠/ تبرم ١ (م : ١)

6:



- [a] A juice case in the shape of cuboid, its base is square-shaped of side length 6 cm. and its height is 15 cm. Calculate the volume of juice which fills the case completely.
 - [b] On the orphan day a group of students denoted amounts of money in pounds shown in the following table :

Money in pounds	3 –	5 –	7 –	9 –	11 —	Sum
Number of students	7	10	15	10	8	50

- (1) What is the number of students who denoted by 7 pounds and more?
- (2) Draw the frequency curve for this distribution.

Assiut Governorate (2017)



Answer the following questions : (Calculator is allowed)

Choose the correct answer from those given :

[a] If $\frac{7}{13} = \frac{x}{52}$, then $x = \dots$ (14 or 21 or 28 or 25)

[b] 39 days = weeks. (5 or 6 or 7 or 8)

[c] The opposite data are descriptive except

(the favorite colour or the birthday or the age or the blood species)

[d] 18 kirats: 2 feddans = ····· (in the simplest form).

(3:4 or 4:3 or 9:2 or 3:8)

Complete the following:

[a] $2\frac{3}{4} + 1\frac{3}{8} = \cdots$

- [b] If one of the angles of the parallelogram is right and two of its adjacent sides are equal in length, then it is called
- [c] An agricultural machine ploughs 14 feddans in 3.5 hours. , then the rate of performance of the machine in feddan per hour is
- [d] The range of the set of values 7,3,6,9 is
- [a] Two wire pieces , the ratio between their length is 5 : 9 , if the sum of their lengths is 126 metres. Calculate the length of each piece.
 - [b] A picture was take to an artificial scene with a drawing scale 1:100 If the real length of a tree is 18 metres, find its length in the picture.

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هذا العمل حصري على موقع ذاكرولي التعليمي ولا يسمح بنشره في أي مواقع أخرى لمزيد من أعمالنا تَفَضَل بزيارة موقعنا على الانترنت https://www.zakrooly.com لمزيد من أعمالنا تَفَضَل بزيارة موقعنا على

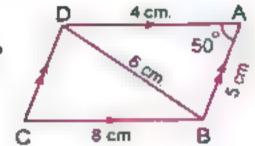
- [a] A swimming pool, its internal dimensions are 30, 15 and 2 metres.
 405 m³ of water are poured into it. Find:
 - (1) The height of water in the swimming pool.
 - (2) The volume of water which is needed to fill the swimming pool completely.
 - [b] In the opposite figure:

ABCD is a parallelogram in which

AB = 5 cm., BC = 8 cm., BD = 6 cm., m (
$$\angle$$
 A) = 50° Without using geometrical instruments, find:

(1) m (∠ ADC)

(2) The perimeter of Δ BCD



- [a] A piece of building land is distributed between brothers in the ratio 7:5 If the share of the first one exceeds the share of the second by 80 square meter. Find the area of the land and the share of each of the first and the second.
 - [b] The following table shows the age of visitors to an exhibition within an hour of the day:

Visitor's age	10 -	20 –	30 -	40 –	50 –	The sum
Number of visitors	6	9	12	10	8	45

Draw the frequency curve for this distribution.

19 Souhag Governorate (2017)



Answer the following questions:

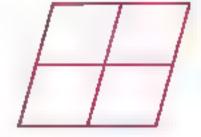
- Complete the following:
 - [a] The two diagonals are equal in length in each of and ...
 - [b] The ratio between 250 gm. : 3/4 kg. = ;
 - [c] If the numbers $4 \cdot x \cdot 12$ and 18 are proportional then x =
 - [d] If the values of a frequency distribution lie between 20, 60, then the range of this distribution =
- Choose the correct answer :
 - [a] The circumference of circle = $--------(2\pi r \ or \ \pi r^2 \ or \ \pi r \ or \ 3r)$

67



- [d] In the opposite figure:

The number of parallelograms which can be obtained is



(4 or 5 or 7 or 9)

- [a] If the drawing scale which is registered on a map is 1:500 000 and the distance between two cities on this map is 3 cm. Find the real distance between them in kilometres.
 - [b] Hany, Samy and Khaled started a trade business. Hany paid 30 000 pounds. Samy paid 40 000 pounds and Khaled paid 50 000 pounds. At the end of the year the profit of the company was 6 000 pounds. Find the share of each of them from the profit.
- [a] A cube of metal its edge length equals 9 cm. need to be melted down and converted into alloys in the form of cuboid with dimensions 3 cm. 3 3 cm. and 1 cm. Calculate the number of alloys that can be obtained.
 - [b] Find the buying price of goods sold for 23 000 pounds with profit percentage 15% and find the profit.
- [a] In the opposite figure :

ABCD is a parallelogram in which AB = 6 cm. , BC = 7 cm.

, MB = 3.8 cm. and m (∠ C) = 70°

Without using measuring tools, calculate:

(1) m (∠ ADC)





Visitor's age	10 -	20 -	30 -	40 –	50 -	Total
Number of visitors	6	9	12	10	8	45

- (1) What is the number of visitors whose ages are less than 40 years?
- (2) Draw the frequency curve for this distribution.



تفوقك في أي مذكرة عليها العلامة دي والمحالة العلامة عليها العلامة على العلامة ع

Final Examinations

20 Qena Governorate (2017)



Answer the following questions : (Calculator is allowed)

- Choose the correct answer :

(rhombus or triangle or square or rectangle)

- [c] If the values of a frequency distribution lie between 20 and 60, then the range of this distribution is (40 or 80 or 60 or 100)
- [d] 4.6 litres = · · · · · mL. (46 or 460 or 46 000 or 4 600)
- Complete the following :
 - [a] If $\frac{2}{7} = \frac{x}{21}$, then $x = \cdots$
 - [b] The ratio between the side length of a square and its perimeter = ;
 - [c] $\frac{9}{20} = \cdots$ %
- [a] A tractor ploughs 6 feddans in three hours, if another tractor ploughed 10 feddans in 4 hours, which of them is more efficiency.
 - [b] A cube-shaped vessel is full of oil, its inner edge is 30 cm.
 - (1) Calculate its capacity in litres.
 - (2) Calculate the price of oil if the price of one litre = 10 pounds.
- [a] A picture was taken to a building with a drawing scale 1: 1 000, if the height of that building in the picture is 3 cm., then find its real length.
 - [b] A metallic cube its edge length is 12 cm. is melted and converted into ingots in the shape of cuboids each of them has the dimensions 3 cm., 4 cm. and 6 cm. Find the number of ingots that are obtained.

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- [a] A piece of building land is distributed between two brothers in the ratio 7:5, if the share of the first one exceeds the share of the second by 80 square metres, find the area of the land and the share of each of them.
 - [b] The following table shows the marks of 100 pupils in a month :

Marks	20 –	30 -	40 -	50 —	Total
Number of pupils	15	30	40	15	100

- (1) How many pupils get less than 40 degrees?
- (2) Draw the frequency distribution.

21 Luxor Governorate (2017)



Answer the following questions:

- Choose the correct answer :
 - [a] If the numbers 4, x, 12, 18 are proportional quantities

, then $x = \dots$ (3 or 6 or 9 or 12)

[b] The measure of the straight angle =°

(90 or 180 or 360 or 120)

[c] The range of the values 1,3,4.4,5 is ...

(1, or .3 or 4 or 5)

[d] A cube of volume 125 cm³, its base area =

(25 cm² or 25 cm or 5 cm² or 5 cm)

- Complete the following:
 - [a] 16 kirats: 1 feddan =

 - [c] 3 litres = cm3
 - [d] The four sides are equal in length in and and
- [a] Ahmed bought a flat for L.E. 150 000 and sold it with loss 5 % Find the selling price of the flat.
 - [b] If the drawing scale of a picture of one building is 1: 1 000 and if the height of the building in the picture is 3 cm. , find the real height in metres.

70

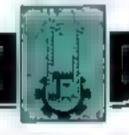


- [a] If the ratio between the length of two roads is 2:5 and the difference between their lengths is 21 km., find the length of each road.
 - [b] A container in the shape of a cube its inner edge length is 20 cm., full of honey. If the price of each litre of honey is 8 pounds, find the price of the honey in container.
- [a] A cartoon box in the shape of a cuboid, its inner dimensions are 50 cm., 40 cm. and 30 cm. it is wanted to fill it with tea boxes each in the shape of a cuboid of dimensions 10 cm., 5 cm. and 6 cm., calculate the number of tea boxes which fill completely the cartoon box.
 - [b] The following table represents the marks of 100 students in math's test :

Marks	20 -	30	40 -	50 –	Total
Number of students	15	30	40	15	100

- (1) Represent these data by the frequency curve.
- (2) What is the number of students who got less than 40 marks?

22 Aswan Governorate (2017)



Answer the following questions: (Calculator is allowed)

Choose the correct answer :

[a]
$$\frac{1}{2} = \dots$$
 (0.5 or 0.2 or 0.1 or 0.05)

[b] 300 gm.:
$$1\frac{1}{2}$$
 kg. = (1:3 or 1:5 or 1:10 or 1:30)

[c] If one the angles of parallelogram is right and two adjacent sides are equals in length is called

[d] The opposite data are quantitative except the

Complete the following:

- [b] 48.684 = ····· (to nearest hundredth)

[d] If
$$\frac{x}{3} = 9 \%$$
, then $x = \cdots$

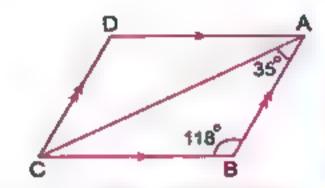
71



- [a] The price of buying refrigerator is L.E. 2 400 and price of selling is L.E 2 640 Calculate the percentage of profit.
 - [b] If the distance between two cities on map is 10 cm. and the real distance between them is 120 km. Find the drawing scale of this map.
- [a] A case in the shape of a cuboid, its base is a square-shaped of side length 6 cm. and its height is 10 cm. Calculate its volume.
 - [b] In the opposite figure:

ABCD is parallelogram where m (∠ B) = 118°, m (∠ BAC) = 35°

Find: $m (\angle D) \cdot m (\angle DAC)$



- [a] If the ratio between the measures angles of triangle is 5 : 6 : 7 and the measure of the smallest angle is 50° Find the measure of each of the other two angles.
 - [b] The following table shows the marks of 100 pupils in math exam :

Marks	10 -	20 -	30 –	40 -	50 -	Total
Number of pupils	15	25	30	20	10	100

- (1) Calculate the number of pupils who got 30 marks or more.
- (2) Draw the frequency curve for this distribution.

23 South Sinai Governorate (2017)



Answer the following questions : (Calculator is allowed)

- Complete the following:
 - [a] 18 kirats: 2 feddans = ············: (in the simplest form)

 - [c] The difference between the greatest and the smallest value in set of individuals is called
 - [d] The smallest prime number is

72



Choose the correct answer from those given answers :

[a] If
$$\frac{2}{7} = \frac{x}{21}$$
, then $x = \dots$

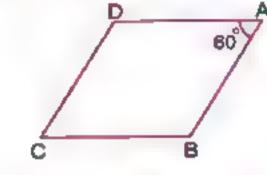
[b] The opposite data are descriptive except

[c] Number of edges of a cuboid = · · · · · edges. (4 or 6 or 8 or 12)

[d] In the opposite figure:

ABCD is a parallelogram

$$_{1}$$
 m (\angle A) = 60°



(30° or 60° or 90° or 120°)

[a] A cubic vessel of internal edge length 30 cm.

Calculate the capacity of the vessel in litres.

[b] If the distance between two cities is 180 km. and the drawing scale is 1:9 000 000

How long is the distance between the two cities on the map?

- [a] A shop keeper for electric sets sold a refrigerator for L.E. 3 180 If the percentage of his profit is 6 % Find the buying price.
 - [b] A primary school has 540 pupils if the ratio between the number of boys to the number of girls is 4:5 Calculate the number of each boys and girls.
- [a] Find the volume of a cuboid in which the area of its base is 16 cm² and of height 9 cm.
 - [b] The following table shows the degree of 100 students in one month in math :

Marks	10 -	20 –	30 –	40 -	Total
Number of students	15	25	45	15	100

Draw the frequency curve for this distribution.

العدامير رباشيات لفات (Worksheets & Examinations) / ٦ ب/ ثيرم ١ (م : ١٠)

73



24 Red Sea Governorate (2017)



Answer the following questions:

- (I) Choose the correct answer :
 - [a] $42\ 000\ cm^2 = \cdots m^2$ (42 or 420 or 4.2 or 4 200)
 - [b] If the numbers $4 \cdot x \cdot 12 \cdot 18$ were in proportion then the value of $x = \dots$ (6 or 9 or 15 or 18)
 - [c] If the sum of the edge lengths of a cube equals 60 cm.
 - , then its volume equals cm3

(1000 or 343 or 216 or 125)

- Complete the following :
 - [a] The two diagonals are perpendicular in each of

 - [c] A factory produce 8 000 bottles of soft drink in 16 hour, then the rate of production per hour = bottle/hour
 - [d] 45 days = to the nearest week.
- (ton = 1 000 kg.)
 - [b] If the length of the Suez Canal on a map of drawing scale 1: 1 100 000 is 15 cm. Find its real length in kilometres.
- [a] A company for selling the electric sets it shows TV set for L.E 2 200 If the percentage of the profit is 10 % Find the buying price of TV set
 - [b] A cuboid of volume is 4 800 cm³ and the area of its base is 240 cm².
 Find its height.

74

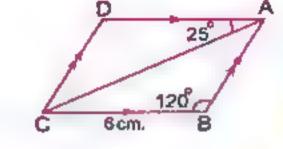
تفوقك في أي مذكرة عليها العلامة دي والطاحات



[a] The opposite figure shows

a parallelogram in which m (∠ B) = 120°

Calculate without using measuring tools each of:



- (1) m (\(\neq D\)
- (2) m (∠ BAC)
- (3) The length of AD



[b] The following table shows the age of visitors to an exhibition within an hour of the day :

Visitor's age	10 -	20 -	30 -	40 -	50 -	Sum
Number of visitors	6	9	12	10	8	45

Draw the frequency curve for this distribution.

25 Matrouh Governorate (2017)



Answer the following questions: (Calculator is allowed)

Complete the following :

- [a] The volume of the cube =
- [b] $1 \frac{3}{4} = \cdots \cdots \%$
- [c] $\frac{1}{4} + \frac{3}{4} = \cdots$
- [d] The difference between the greatest value and the smallest value in a set of individuals is called

Choose the correct answer :

[a] If
$$\frac{2}{7} = \frac{x}{21}$$
, then $x = \dots$

$$(\subset or \not\subset or \in or \notin)$$

75



- [a] The ratio between the lengths of two roads is 2:5 and the difference between their lengths is 21 km. Find the length of each road.
 - [b] Find the buying price of goods sold for L.E. 41 400 and the percentage of profit is 15% and find the profit.
- [a] A container has 12 litres of honey, it is wanted to put them in smaller vessels (bottles) the capacity of each of them is 400 cm³.

 Calculate the number of bottles which is needed for that.
 - [b] In the opposite figure :

$$m (\angle A) = 53^{\circ} , m (\angle DBC) = 45^{\circ}$$

,AM = 6 cm. ,AB = 5 cm. ,BC = 8 cm.

Calculate without using measuring tools each of:



- (2) m (\(\perp D)
- (3) The length of AC
- [a] A macket of a playground of a school is drawn is drawn with drawing scale 1:500 the dimensions of the playground in the picture were 2 cm. and 4 cm. Find the real dimensions of the playground in metre.
 - [b] The following table shows the number of hours which the pupils of a class spend daily in front of the computer:

1	Number of hours	1 –	2-	3 –	4 –	5-	6 –	Total
	Number of pupils	7	11	15	6	4	2	45

Represent these data by frequency curve.





Some Governorates Examinations for the Year 2016

1 Cairo Governorate (2016)



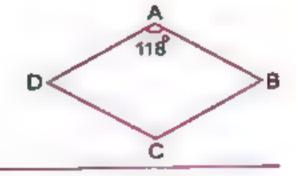
Answer the following questions : (Calculator is allowed)

- Complete the following:
 - [a] 0.4: 0.8 = (in the simplest form)
 - [b] The range of set of the these values: 20,95,70 and 45 equals
 - [c] If the quantities: x, 6, 20 and 30 are in proportion, then $x = \cdots$
 - [d] In the opposite figure:

ABCD is a rhombus in which

$$m (\angle A) = 118^{\circ}$$

, then m (∠ B) = ··· ·····



- Choose the correct answer from those given :
 - [a] The cuboid has ----- edges. (12 or 8 or 6 or 4)
 - [b] The given data are quantitative except the

(weight or length or nationality or age)

- [c] 1.2 litres + 800 cm³ = ········ litres. (2 or 9.2 or 200 or 2000)
- [d] If 100 grams of chocolate give 300 calories. What is the number of calories which are found in 30 grams of the same chocolate?

(90 or 100 or 900 or 9000)

- [a] If the length of Suez Canal in a map of drawing scale 1 : 1 100 000 is 15 cm., then find its real length in kilometres.
 - [b] Three persons involved in a business, the first paid L.E. 60 000, the second paid L.E. 80 000 and the third paid L.E. 90 000. At the end of the year the profit was L.E. 20 700. Find the share of each person in profit.
- [a] A man bought a flat for L.E. 100 000, after three years he sold it for L.E. 130 000 Find the percentage of his profit.



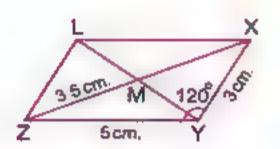
[b] In the opposite figure:

XYZL is a parallelogram in which

$$m (\angle XYZ) = 120^{\circ}, XY = 3 cm.$$

Find: (1) m (\(\neq XLZ\)

(2) The perimeter of the triangle XLZ



[a] A container contains 12 litres of honey. It is wanted to pour it in small bottles, the capacity of each of them is 400 cm³. Calculate the number of bottles which are needed for that.

[b] The following table shows the marks of 100 pupils in mathematics in a month :

The marks	20 –	30 -	40 –	50 – 60	Total
Number of pupils	10	30	40	20	100

Draw the frequency polygon for this distribution.

2 Giza Governorate (2016)



Answer the following questions : (Calculator is allowed)

Complete the following :

[a] If
$$\frac{x}{27} = \frac{2}{3}$$
, then $x = \dots$

- [b] The volume of a cube of edge length 3 cm. = cm³
- [c] The ratio between the side length of a square and its perimeter =
- [d] The range of the set of the values: 7,3,6,9 and 5 is

Choose the correct answer :

[a]
$$\frac{3}{4}$$
 litre = cm³. (250 or 500 or 750 or 900)

indgiono in the land

- [a] Find the volume of a cuboid with dimensions 12 cm., 10 cm., 8 cm.
 - [b] Find the buying price of goods sold for L.E. 21 520 and the percentage of profit is 15 %, and find the profit.
- [a] Omar took a magnified picture with a camera. If the length of an insect in the picture is 10 cm. and its real length is 2 mm. Find the drawing scale.
 - [b] A load of apple fruit weights 280 kg. is distributed among three merchants. The share of the first $=\frac{2}{3}$ the share of the second and the share of the second $=\frac{4}{5}$ the share of the third. Calculate the share of each of them from this load.
- [a] In the opposite figure :

ABCD is a parallelogram in which

$$,AB = 5 \text{ cm.}$$
 $,BC = 7 \text{ cm.}$

• m (
$$\angle$$
 C) = 60° Find :

(1) m (\(\neq A\)

- (2) m (\(\neq D\)
- (3) The perimeter of the parallelogram ABCD
- [b] The following table shows the degrees of 100 students in maths test :

Marks	20 -	30 -	40 -	50 -	Sum
Number of students	15	20	50	15	100

Represent these data by the frequency curve.

3 Alexandria Governorate (2016)

Answer the following questions:

- Complete the following:
 - [a] 12 × (350 + ······) = ·······× 350 + 12 × 220
 - (b) If the length of an insect in the picture is 10 cm. and its real length is 2 mm., then the drawing scale =; 1
 - [c] 4.63 litre = cm³
 - The range

 The length of the set

79



- Choose the correct answer from those given :
 - [a] If $\{3,5\} \subset \{3,7,x\}$, then $x = \dots$ (5 or 9 or 6 or 15)
 - [b] The following data are quantitative except

(age or weight or the favourite colour or tallness)

[c] If a: b = 2:3, b: c = 3:5, then a: c =

(8:15 or 2:5 or 4:9 or 3:10)

[d] in the opposite figure:

The number of trapezoids is



(3 or 4 or 2 or 5)

- [a] The ratio between the length of a rectangle to its width equals 7: 4, its perimeter is 44 metres. Find the length and the width of the rectangle and calculate its area.
 - [b] A tank in the shape of a cuboid of dimensions 7 m. 3 5 m. and 9 m.
 What is the volume of water which fills its third?
- [a] Two machines for the manufacture of cloth, the first produces 500 metres of cloth in two hours and the second produces 600 metres of cloth in 2 hours and half.

Which of the two machines is more efficient?

- [b] A company for electrical appliances displays the TV set for 1 026 pounds. If the company sold it with profit percentage is 14 % Find the buying price for the TV set.
- [a] A cube of clay of edge length 8 cm. Cubes of edge length of each= 2 cm. are made of it. Find the number of these cubes.
 - [b] The following table shows the age of visitors to an exhibition within an hour of the day :

Visitor's age	10 -	20 –	30 –	40 –	50 –	Total
Number of visitors	6	9	12	10	8	45

- (1) What is the number of visitors whose ages are less than 40 years?
- (2) Draw the frequency curve for this distribution.

80



El-Kalyoubia Governorate (2016)



Answer the following questions:

- Complete the following:

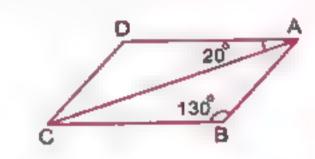
 - [b] If the marks of 4 pupils in a maths test are 22,39,62,54, then the range of the marks = · · · · ·
 - [c] If 2, x, 8, 20 are proportional, then $x = \dots$
 - [d] The drawing scale =

Choose the correct answer:

[a] In the opposite figure :

ABCD is parallelogram

, then m (∠ BAC) =



- (1.2 or 12 or 0.12 or 120) [c] 0.12 = ··········· %
- [d] From the quantitative data is the

(favorite colour or birth place or blood type or age)

- [a] A car covers 240 km. in three hours. Find the rate of the speed of the car.
 - [b] If a man deposited L.E. 20 000 in a bank with an annual interest 8 % Find the total amount he gets at the end of one year.
- [a] A magnified picture of an insect was taken with a drawing scale 200: 1, if its real length is 1.2 mm. find its length in the picture.
 - [b] A box in the shape of a cuboid with dimensions 30 cm. , 25 cm. and 15 cm., if it is filled with cuboid shaped pieces of sweets of dimensions 6 cm. , 5 cm. , 3 cm. Find the number of pieces of sweets.
- [a] The ratio between the lengths of the sides of a triangle is 2 : 3 : 4 , if the perimeter of the triangle is 108 cm. Find the length of each side of the triangle.

81 | المحاصور بانبيات لفات (Worksheets & Examinations) | ٦ ب أ تبرع ١ (ع: ١١)



[b] The following table shows the marks of 100 pupils in a maths exam :

The sets	10 —	20 –	30 –	40 –	50 - 60	Total
The frequency	15	25	30	20	10	100

Represent the previous data by the frequency curve.

5 El-Sharkia Governorate (2016)



Answer the following questions:

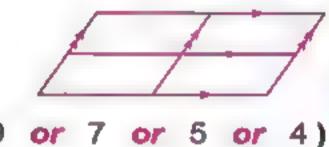
Choose the correct answer :

[b] 2
$$m^3 = \dots dm^3$$

$$(\frac{1}{2} \text{ or } \frac{1}{3} \text{ or } \frac{2}{5} \text{ or } \frac{3}{4})$$

[c] In the opposite figure:

The number of parallelograms



Complete the following :

[a] The ratio between 2 kilograms and 1 500 grams in the simplest form is

[b] If $\frac{x}{3} = 9 \%$, then $x = \cdots$

[c] In a parallelogram, the sum of the measures of any two consecutive angles =

[d] If the values of a frequency distribution lie between (20, 60), then the range of this distribution =

[a] If the ratio among the measurements of the angles of a triangle is 1:2:3 Find the measure for each angle and mention the type of this triangle according to the measures of its angles.

[b] If the length of the Suez Canal on a map of drawing scale 1: 1 100 000 is 15 cm. Find its real length in kilometres.

82

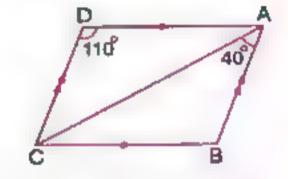


- [a] A company sells a computer set for L.E. 2 688, if the percentage of the profit is 12 % Find the company's buying price of a computer set.
 - [b] In the opposite figure:

ABCD is parallelogram where m (∠ D) = 110°

$$_{\text{n}}$$
 (\angle BAC) = 40°

Find: m (∠B), m (∠DAC)



- [a] A case in the shape of a cuboid, its base is a square shaped of side length 6 cm, and its height is 15 cm. Calculate its volume.
 - [b] The following table shows the marks of 100 pupils in one month in maths :

Marks	20 –	30 -	40 -	50 -	Sum
Number of pupils	15	30	40	15	100

Draw the frequency curve for this distribution.



83



Guide Answers



Answers of mod el examinations

M

- Mode Ť

0 (1) 2.5 (4) The base length - the height (3) 150.1

2)(1)6 [a] The volume of oil = 12 × 1 000 (2) 0.75 = 12 000 cm (3) 6 (4) 45°

The number of bottles = 12 000

E CP Profit a 30 bottles (S)

The selling price = 72 000 × 112 % 72 000 : 100 % :: 112%

-LE 80 640

[a] 1st angle : 2nd angle : 3nd angle : Sum 180

The measure of the first angle

2 × 180° # 40°

3 × 180" = 60" The measure of the second angle

[b] The volume of the cube = 12 × 12 × 12 The measure of the third angle 4 × 180° = 80°

The volume of the an ingot = 3 x 4 x 6 = 1 728 cm?

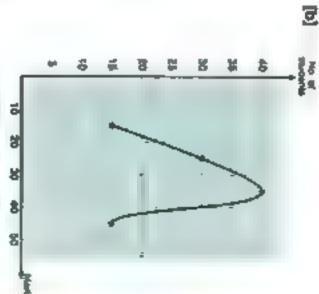
= 72 cm2

(a) 1st person The number of ingots = 1 728 • 72 5 000 8 000 , uosaed * 24 ingots Sum (+ 1 000) ü

> = 8 × 3 900 = 2 400 pounds. 5 × 3 900 = 1 500 pounds The share of the second person

The share of the first person

Answers of final examinations



Model -

(1) rectangle (2) 4 4 (3) 20 (4) 20

			2	
			3	2 (1) 65
(a)	15	15 000	1 st person	8
,,		9.3		N
CR	26	25 000	-	(2) 271
•	20	20 000	, 3 rd person	(3) 40
1		8	8	(4)
12	(+ 5)	(+ 1 000)	Sum	11 120

■ 3 × 5 520 ■ 1 380 pounds The profit share of the first person

5 520

= 5 × 5 620 = 2 300 pounds. The profit share of the second person

The profit share of the third person $=\frac{4 = 5520}{12} = 1840$ pounds

[b] The volume of the water * 10 × 1 000

المصاد

The base area of cuboid = 25 x 25 = 10 000 cm²

The height of water = $\frac{10\,000}{625}$ = 16 cm = 625 cm²

3 900

8

د

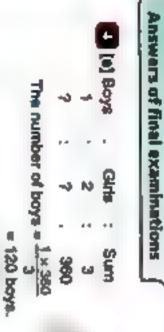
هذا العمل حصرى على موقع ذاكروني التعليمي ويسمح بمشاركته فقط ولا يسمح بتداونه على الانترنت

2+2

تفوقك في أي مذكرة عليها العلامة دي والمالية العلامة المالية ا

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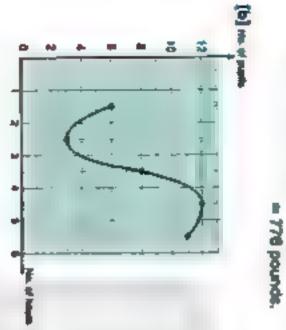
الصف السادس الابتدائي



The number of girts = $\frac{2 \times 360}{3}$ = 240 girls.

[b] m (4 ADC) = 180* - 70* = 110* = 7 + 6 + 7.6 = 20.8 cm. The perimeter of briangle BCD

[a] Price below decount : Discount - Price with discount The price before decount = 100 % × 660 100 % : 16% A 20 8



Model examination for the

☐ (1) 6:8 (2) 30 2 (1) 30 --(2) 16 (3) height (4) 3 000 (3) square (4) 1:100

5) (1) 12 (2) minimization

(3) 1 · 4 (4) 90"

3 (2) (35) 3

3 [a] (1) 2 : 5 (1) (d) (2) 100* 2214

Answers of Governorgies Examinations for the Year 2017

M

(m)

Answers of final examinations

Cairo (2017)

E (c) rectargle - square 重台 (d) range

(a) Langer in drawing * (4) (A) Pier Length in reality **31.6** 34

500 000

The red distance = 3 x 500 000 ■ 1 500 000 cm.

(1) The area of one face = 64 + 6 = 9 cm². # 15 km.

=(3 × 3) cm2

The edge lang

D [a] 1st . 2st (2) The volume # 3 × 3 × 3 = 27 am? Sun

12

5 × 240 = 100 pupils The number of pupils in 1st grade 12 240

The number of pupils in 3rd grade = 4 × 240 = 80 pupils The number of pupils in 2nd grade

(b) Pice before discount 3×240 = 60 pupile Discount . Price after discount

The original price = 100 × 425 100 % **= L.E. 500** 15%:

[a] (1) The length of CD = 5 cm. (2) m (\angle BAC) = 40°

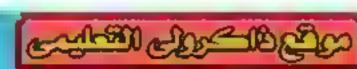
> 85 × 125 TN Girt Sum

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70 هذا العمل حصري على موقع ذاكرولي التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على الانترنت

2+2-



الصف السادس الابتدائي

(2) 60 pupile. ő 8 ä ä

8 Giza (2017):

B [4] 2.9 [a] 70 % [c] rectangle - squere [b] 27 (d) reduction ğ

五の [d] favorite colour

(F) Length in draw ing : Length in really

The real length = 15 x 1 100 000

= 166 km = 16 500 000 cm.

(B) The rate = 3 = 4 librashir.

Advise by yourself.

(a) The capacity = $40 \times 30 \times 1.8 = 2 180 \text{ m}^3$ = 2 160 000 Hrss

The number of girls = 3 = 560

المصاه

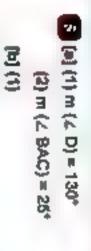
The number of boys = $\frac{6 \times 560}{8}$ = 210 girty

= 350 boys

7

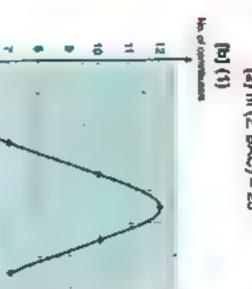
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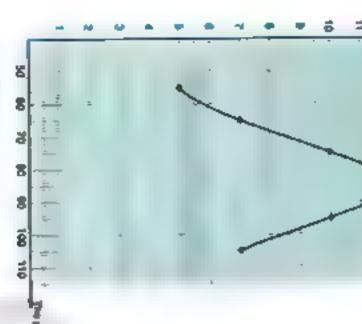
Answers of final examinations



[a] Buying price : Profit : Setting price 100 % : 15 % : 115 %

21 620





(2) 29 contributors

3 Alexandria (2017)

[a] 0.126

[c] 4.2

(d) favorite food

			~
to		(a) Boys	(a) 8
24.	h-6s	44	豆
	Çh	GMa	[b] 5 · 7:
	à u	**	~
-73 -73 -73 -73 -73	10	Sum	[c] 40
•			(d) square

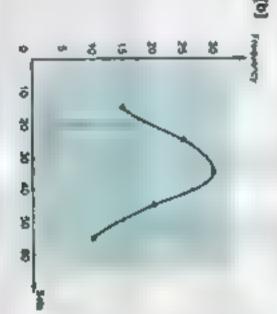
7				
2		3	i e	
Til gooth in downoo		he number of pupils	J-h.	
		qp		
		ě		
Length in res	= 36 pup	- 16 ×	-3	
3	apda.) IID		

The length in the picture a	~2		(b) Length in drawing	
5			-	
* 1 × 180 = 4 cm	160	40	Length in reality	andred on

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72

[b] Frequency	= 27 fitres (2) The price = 27 x 9.5 = 256 5 pound	[a] (1) The capacity = 30 × 30 × 30 = 27 000 cm ³	The number of slibys = $\frac{1728}{72}$ = 24 sli	The volume of an alloy = 3 × 4 × 8 = 72 cm ³	(b) The volume of cube = 12 x 12 x 12 x 12 = 1 728 cm ³	The profil = 15 x 21 520 = LE. 2 806 22	#LE 18713 23	C11
	9		all oy	W.	N)	2 8	1	



2 [e] 4 [c] 500	[c] 18:5
[b] 729	[b] 6
[d] 1 · 200	[d] diameter length x

هذا العمل حصري على موقع ذاكروني التعليمي ويسمح بمشاركته فقط ولا يسمح بنداونه على الانترنت

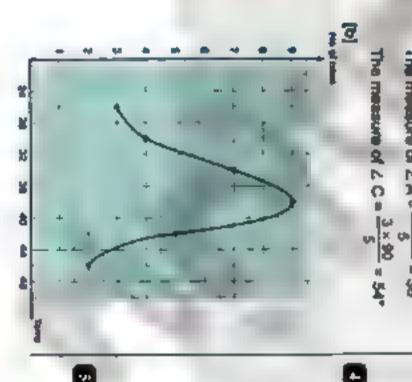
2+2

: poliblius [4]

	G	
	3	7
	Length	height
*	h in drawi	height of the to
41.	dng : L	7 mg/m
500	angth in s	4 36 × 36
	Alfred	180 m

2×500	The first dimer	N
000 om	stion in r	h-p
	edity.	-3

1	->	N	>	
	•		* 1	
	~	ω	O	ı,
3		+ 1-	**	2 1
2×9	90	ÇN	Sum	160 000 Hbe
8				Htres:
5				



5 El-Sharkia (2017)

Answers of final examinations

[4] 2	(b) 28	[c] age	[<u>a</u>]
8 (*)	[b] 1 : 3	[c] 48	[d] 10

The share of third son =
$$\frac{2 \times 4200}{6}$$

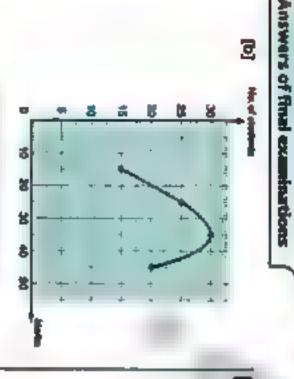
= 1680 pounds.

		w	
-	100	[0] Pitarbelon	
	 	Second:	
	10%	Chapart	
	w dr		ŧ
4 500	\$ 06	Price after discount	

= L.E. 5 000

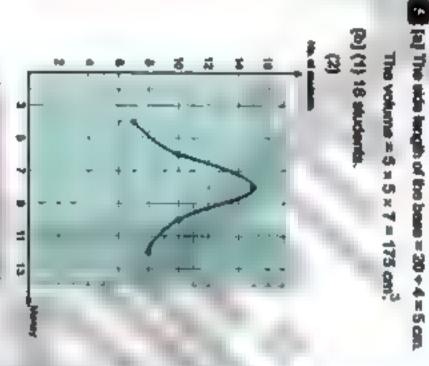
\$ [a] The edge length =
$$132 \times 12 \times 11$$
 cm.
The volume = $11 \times 11 \times 11 \times 1 331$ cm²

73



El-Monofia (2017)

- D (a) 2.0 [e] 20 - X **B** 75 [d] the age
- [9] (e) Length in drawing : Length in reality 08 [e] S [a] equitateral [b] 40 (4) eq
- 1 × 60 × 100 = 5 cm. The side length in drawing
- The area in drawing = $5 \times 6 = 26$ cm²
- [b] The cost = 49 000 + 1 000 = L.E. 50 000
- The profit = 55 000 50 000 = L.E. 5 000
- The percentage of profit = 5000 × 100 % *10%
- (a) The edge length = 35 12 = 3 cm. The volume = $3 \times 3 \times 3 \times 27$ cm²
- [b] Ahmed : Mahemed : Difference
- Ahmed's money = 7 × 60 × L.E. 140
- Mohamed's money = $\frac{4 \times 60}{3}$ = L.E. 80



7) El-Gharbia (2017)

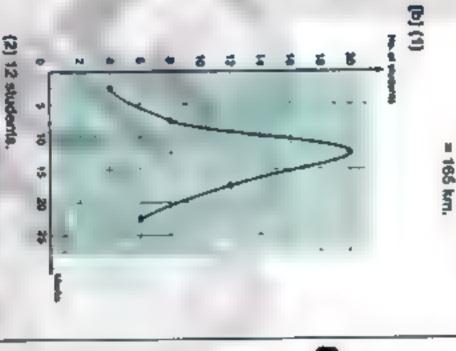
- (A) E [e] 70 [6] 1 000 [b] 27 50 (c) square (d) blood type 3
- [a] Ahmed Omer · Sum ü
- The money with Ahmed = 9 x 440
- The money with Omar = 13 × 440 = 180 pounds
- (b) The height of water = $\frac{10 \times 1000}{25 \times 25} = 16$ cm. = 260 pounds
- [a] Picebalow ducosit: Discount: Pice after discount
 100 %: 10 %: 90 %
 7: 1 800
- The original price = 100 = 1 800 = 2 000 pounds.

The largth = $\frac{7 \times 44}{22}$ = 14 cm.

[b] (1) m (± ABC) = (2) m (L ADC) = 115° (3) The perimeter of AABD =6+8+3.5+3.5=21 cm. ģ

M

[a] Length in drawing . Length in reality The real length = 16 500 000 cm 15 × 1 100 000 1 100 000



8) El-Dalcahlia (2017)

1 (a) Length [[a] The volume of the inner space of 2 [e] age **1** 50 <u>元</u>2 a hollow solid MUS [c] 1 · 1 93 (b) 1000 cm³ Partrigler (d) 6

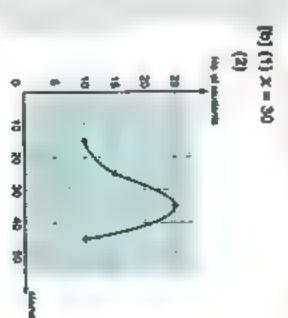
> [b] The depth of the water = $\frac{12 \times 1000}{20 \times 15}$ The area = $14 \times 8 = 112 \text{ cm}^2$. The width = $\frac{4 \times 44}{22}$ = 8 cm.

Answers of final examinations

- **⊕** Shadow length Indpen 24 ô •
- [b] (1) m (L D) = 100° The height of the tree = $\frac{45 \times 8}{24}$ = 15 m.

(2) m (4 ACD) = 45°

- (a) The percentage of the remainder (3) The perimeter of parallelogram =6+5+6+6=22 cm.
- The number of notebooks = 100 × 80 number of notebooks # 100 # 80 notebooks = 100 % - 25 % = 75 %



9 Ismailia (2017)

[a] 3 [] [a] equal in length (c) 15 **6** [b] 1:600 [o] 38 cm. [d] 18 [d] diameter length

المم

75

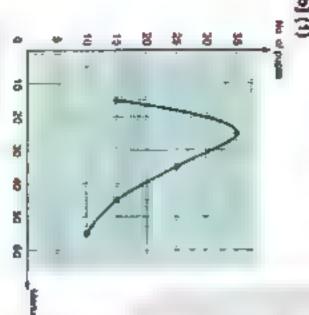
74

2+25

= 40 cm,

Answers of final examinations

- [a] The rate = 45 = 9 [LE,/day [b] Buying price : profit : Selling price 100 % : 6 % . 106 %
- The buying price = 3 180 × 100
- = 3 000 pounds
- \blacksquare [a] The edge length = 40 + 4 = 10 cm. The volume = $10 \times 10 \times 10 \approx 1000 \text{ cm}^3$
- G 50 000 : 40 000 : 30 000 : (+ 10 000) 4 : 36 000 ** Sum
- The share of 1^H person = $\frac{5 \times 36\,000}{1}$ 15 000 pounds
- The share of 2^{nd} person = $\frac{4 \times 36\,000}{2}$
- 12 000 pounds
- The share of 3rd person = 3 x 35 000
- = \$ 000 pounds
- 6 [e] (1) m (2 CAB) = 40* 5 (2) m (4 B) = 110°



(2) 50 pupits.

78

chicagapho .

هذا العمل حصري على موقع ذاكرولي التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على الانترنت

2+2-

@ · Suez (2017) ·

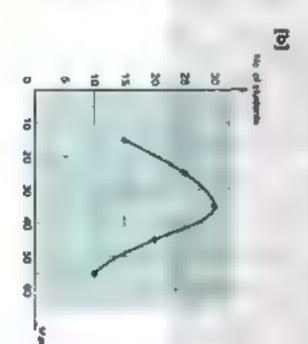
(a) Longth in drawing : Longth in reality

3

Answers of final examinations

M

- D (a) 2.3 0.0
- [c] 4 000 [b] L E 63 000 [d] rectangle - equare
- E [a] 0.1 [c] 30 cm.³
- 3 [a] The rate $=\frac{6}{3}=2$ feddensshr
- Sum
- 6 240 (+2) 10
- The share of the 1st person = 3 6 249 -LE. 1440
- The share of the 2rd person = 4 × 6 240 -L.E 1920
- The share of the 3rd person $= \frac{6 \times 6240}{5}$ *LE 2880
- [a] The edge length = 36 + 12 = 3 cm The volume = $3 \times 3 \times 3 = 27$ cm³



(b) (1) m (2 ABC) = 110° (3) The perimeter of AABC 1 × 180 × 100 000 = 20 cm. The distance on the map (2) AC = 12 cm. = 65+8+12=265cm 900 000 100

① Port Said (2017)

- [a] 0.1 [b] the range [c] edge [b] 6.7 |d| 1:2
- 3 [a] The rate = 450 [6] the favorite colour = 90 L.E./day [d] 90
- (b) The volume of cube = $18 \times 18 \times 18$ # 5 832 cm³
- The volume of one ingot = 3 x 6 x 8 = 182 cm³
- The number of ingats = 5.832 = 36 ingats
- (a) Buying price Profit 100 % 記者 Seling price 17 250
- The buying price = 100 = 17 250 *LE. 15 000

(b) 8C = 4 cm. · m

(LD)=115'

·m (/ ACD) = 40*

S (a) Langth in drawing : Langth in reality The real distance $n = 9 \times 1000000$ 1 000 000

(2) 40 students

(2) Dameitta (2017)

- [c] 12 [e] † 0 [a] 1st building , 2nd building Ofference [b] 1 : 1 000 [d] 4 [b] rectangle - square [d] 27
- The height of 2^{nd} building $= \frac{7 \times 9}{3} = 24$ m The height of 1st building $=\frac{4 \times 9}{3} = 12 \text{ m}$
- [b] The volume of water = $\frac{1}{3} \times 7 \times 5 \times 9$ • 105 m.³
- 0 ÇD: 4 12 6240 943 (+ 2) ij
- The share of 2rd person = 4 6 240 The share of 1st parson = 3 × 6 240 ± C.E 1440

المعر

The share of 3rd person = 6 > 6 240 #LF 2 880 *L€, 1 920

= 9 000 000 cm

90 km.

الصف السادس

Answers of final examinations

- [b] Price before discount · Discount · Price after discount 100% . 16% . 86 %
- 5 (a) (1) m (2 ABD) = 80° The original price = $\frac{100 \times 221}{85}$ = L.E. 280

(2) The perimeter to A ACD

- 3 *8+5,5+6+6 = 25,5 cm
- (2) 18 eludents.

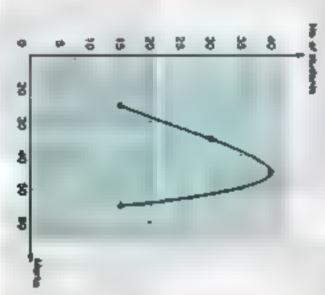
B Kafr El-Sheikh (2017)

- lacksquare (a) $rac{1}{2}$ imes The base length imes The height [b] 729 [o] 9 · 8 [d] 3
- 2 (a) 6 [b] 20:1 [c] 4 600 [d] age
- [e] Width : Length : Perimeter
- 140
- The width = 3 x 140 = 30 cm.
- The length = 4 × 140 m 40 cm.
- [b] CP · Profit . 8.F. 100 % · 15 % 115 % ? ? 21 275 The area = $30 \times 40 = 1200 \text{ cm}^2$

78

www.zakrooly.com

- The cost price = 100 × 21 275 = 18 500 pounds
- The profit = 15 × 21 275 = 2 775 pounds.
- (ii) 1st brother : 2nd brother ; Difference 8
- The share of 1st brother = $\frac{7 \times 80}{2}$ = 280 m²
- The share of 2" brother = 5 × 60 = 200 m2
- The area of the land = 280 + 200 = 480 m²
- [b] (1) m (4 ADC) = 110°
- (2) The perimeter of \triangle BCD = 7 + 6 + 3.6 + 3.8 = 20.8 cm
- (a) The height of water = $\frac{405}{30 \times 15} = 0.9 \text{ m}$. = 90 cm
- (†) (†)



- (2) (55 15)
- (1) El-Scheira (2017)
- [a] The volume (c) Square and rhombus P 30* [d] the age
- 2 [6] 6 [b) 3 000 [c] 35 [d] 28

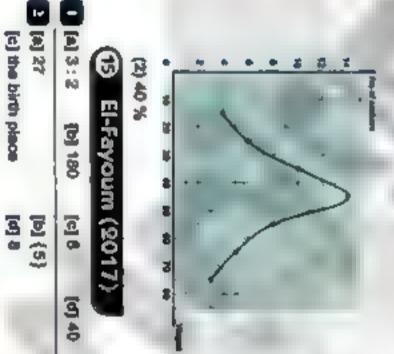
- [3] [a] The rate of 1^{st} machine = $\frac{500}{2}$ = 250 mhr. [3] [a] Longth in drawing : Longth in reality The rate of 2^{-4} machine $\frac{600}{2 \cdot \frac{1}{2}} = 240$ m/hr.
- [b] Length in drawing : Length in reality The 1st machine is more efficient 100 000

36 Km.

- In this attes = $\frac{1 \times 36 \times 100000}{100000} = 36 cm.$ The drawing distance between them
- [a] The rest = 17 5 = 12 kinsts Son : Caughter : Sum ស៊
- The share of the daughter = $\frac{1 \times 12}{3}$ The shere of the son = $\frac{2 \times 12}{3}$ = 8 kirals 4 4 kirata
- [b] The capacity = 40 x 30 x 1 B = 2 160 m² = 2 160 000 L
- [a] The volume of metalic plea

= 30 × 30 × 5 = 4 500 cm²

3



200 000

الصف السادس

Answers of final examinations

The real distance = 8 × 200 000 = 1 600 000 cm.

16 kg

- [b] Buying price 60 000 Profit : selling price 105%
- The sailing price = 105 × 80 000 = LE 83 000
- [a] Hany : Shedi : The share of Sharff = $\frac{6 \times 24}{3}$ = L.E. 40 Khalid
- [b] The volume of cube = 12 x 12 x 12 The share of Khalid = $\frac{Z \times 24}{3}$ = L.E. 56 The volume of one slicy = 3 x 4 x 6 = 1 728 cm?

Chr2

3 [a] m (4 B) = 110° ·m (4 DAC) = 30° The number of alloys = $\frac{1.728}{72}$ = 24 alloys

= 72 om

- ő œ.

المصاه

5 (a) (1) m (4 C) = 80°

= 1 × 48 × 100 000 = 24 cm.

The distance in the sites

[b] The volume of big cube = $16 \times 16 \times 16$

= 67 200 pounds.

The volume of small cube = 3 x 3 x 3

= 3 376 cm?

The selling price = 112 × 60 000

(2) The perimeter of parallelogram ABCD

= 5 + 3 + 5 + 3 = 16 cm.

3

[b] Length in drawing: Length in reality

[a] The edge length = 36 + 12 = 3 cm

[a] C.P. : Profit :

80 000 :

100%: 12%:

112 % 65 P

The volume = $3 \times 3 \times 3 = 27$ cm²

E (a) 180°

[b] 1 : 4

(d) the age

The width = $\frac{3 \times 70}{44}$ = 15 cm.

Z

[e] 10

1 (a) The rate = 1 000 = 250 canefir

[b] Before interest : Interest : After interest

The amount of money = $\frac{110 \times 9000}{100}$

-LE. 9 800

The height in the picture = $\frac{3 \times 180}{40}$ = 4 cm.

9000 100 %

. 10% . 110%

[b] Longth in drawing : Longth in reality

The eres = $16 \times 20 = 300 \text{ cm}^2$

The length $\approx \frac{4 \times 70}{14} = 20$ cm.

[a] length - width

9

(A) (B)

[a] Width . Length . Porimeter

[c] 4 · 20

Answers of final examinations

6 Beni Suef (2017)

Premise - sudmorn [e]

[b] 30

[d] 62.84

3 (a) 1 st peace 5 7	(a) 2	[1] 28
pece Z ^{NS} pece 5 · 9 7 · 7	(b) square	9 (4)
128 128	(0) 4	(c) age
	[d] 6	[d] 3 8

٠

The length of t	-3	Ch	
9	-	-	
91	-3		
piece			
= 5 × 126	128	#	
18 45 m.			
3			

The length of 2rd piece =
$$\frac{9 \times 128}{14} \approx 81 \text{ m}$$

The length in the picture $=\frac{1\times16\times100}{1\times100}$

[a] (1) The height of water =
$$\frac{405}{30 \times 15} = 0.9 \text{ m.}$$

		3
		Ď.
79	4	NO.
b.		1
	4	A P
1	91	2
	16	3
		暑
8	N	200

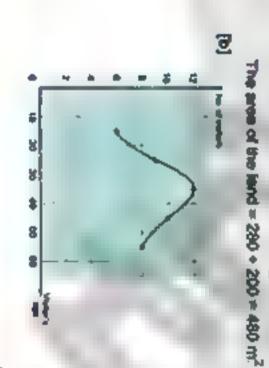
The share o	The phare o	29
2nd brother:	# 1 to brother	1 2 2
= 5 × 80 = 200	■ 7 × 80 = 280 m ²	8
700	3.	

(a) The volume of juice = $6 \times 6 \times 15 = 540 \text{ cm}^2$

 $=\frac{3.375}{27}=126$ cubes.

The number of small cubes

[b] (1) 33 students



50 Southag (2017)

Answers of final examinations

Assiut (2017)

[a] 2 Tr [b] The age	(c) 8	events - advance (a)
(c) ‡ (d)	[d] 40	p : t fal

الصف السادس الأبتد

Length in realty

	-3 		30 000 ; 40
of Hany	4	4	40 000
M .			8
3 × 6 000	~)	ÇN.	50 000
8	٠	4+	7
	6 000	13	10 000

Khaled = 5 x	 2 000 pounds 	Semy = 4 × 6 000	■ 1 500 pounds	,
The share of Khaled = $\frac{5 \times 8,000}{12}$		The share of Samy =		

CD CO



7	The vo
3	volume o
	3
of allow	alk end
8 12	W = 3
20	e x
D)	C3 = 6
5	6

المم

(2) The perimeter of
$$\triangle$$
 BCD
= 7 + 6 + 3.8 + 3.8 = 20.6 cm

Charles for the Course Answers on the Course of the Course

80

Talt:3 [b] 6 [c] 30 [d] The age

ij

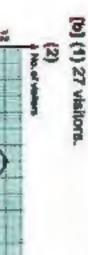
(D) El-Menia (2017)

هذا العمل حصري على موقع ذاكرولي ا

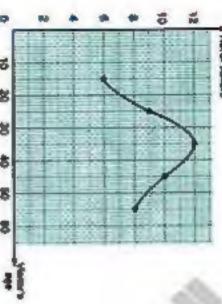
التعليمي ويسمح بمشاركته فقط ولا يسمح ببنداوله على الانترنت

2+2

Answers of final examinations



[a] 1st brother : 2nd brother : Difference



20 Qena (2017)

- [a] blood species Fraups [d] [d] 4 600
- 3 [a] G (a) The rate of 1st tractor = $\frac{8}{3}$ = 2 feddans/hr. [b] 1:4 [o] 45 [d] 700 cm³
- The rate of 2rd tractor = 19
- The 2rd tractor is more efficiency. = 2.6 feddans/hr.
- [b] (1) The capacity of the cube = $30 \times 30 \times 30$ (2) The price of oil = 27×10 = 27 000 cm2 = 27 litres
- = 270 pounds.
- [a] Length in drawing : Length in reality 1000
- The real length = 3 × 1 000 = 3 000 cm. = 30 m
- [b] The volume of cube = $12 \times 12 \times 12$ The volume of one ingot = 3 × 4 × 6 = 1 728 cm³
- The number of ingots $\approx \frac{1.725}{72} \approx 24$ ingots = 72 cm³

82

[b] (1) 45 pupils. The area of the land = $280 + 200 = 480 \text{ m}^2$. The share of 2rd brother $\frac{6 \times 80}{2} = 200 \text{ m}^2$ The share of 1st brother = $\frac{7 \times 80}{2}$ = 280 m².

① Luxor (2017)

- B [e] 6 [a] 2:3 [b] the blood type [d] mombus - square [b] 180° 3 [6] 3 000 [d] 25 cm?
- 100 % : 5 % : 95 % 150 000
- The selling price # 95 x 150 000 .LE. 142 500
- [b] Length in drawing : Length in reality 1000
- The real height = $\frac{3 \times 1000}{1}$ = 3 000 cm.

التعليمي ويسمح بمشاركته فقط ولا يسمح بنداوله على الانترنت المساوات المسلم والمسلم بنداوله على الانترنت المساوات

C.WD

1 [a] 1st road : 2nd road : Difference 2 : 5 : 3 21

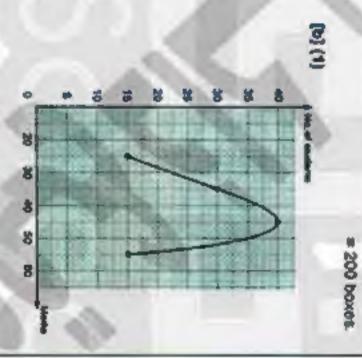
The length of 1st road =
$$\frac{2 \times 21}{3}$$
 = 14 km.

The length of
$$2^{NS} \text{ road} = \frac{5 \times 21}{3} = 35 \text{ km}.$$

- (b) The volume of honey = $20 \times 20 \times 20$ = 8 000 cm³
- The price of honey = $8 \times 8 = 64$ pounds.

= 8 Hree.

[a] The volume of cartoon box The number of tea boxes = 80 000 The volume of a tea box = $10 \times 5 \times 6$ = 50 × 40 × 30 = 60 000 cm³ * 300 cm²



(2) 45 students.



- [a] 0.5 [d] the favourite colour [b] 1:6 (c) square
- E E [b] 48.68 [c] 40 [d] 0.27

[a] The profit = 2 640 - 2 400 = L.E. 240 The percentage of profit

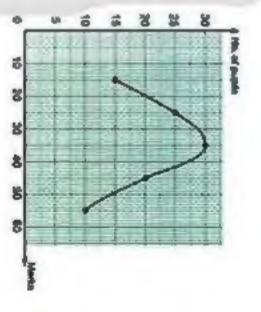
الصف السادس الأبتد

Answers of final examinations

- (b) The drawing scale = 120 × 100 000 = 240 × 100 % = 10 % = 1:1 200 000
- -1 [a] The volume = $6 \times 6 \times 10 = 360$ cm² (b) m (L D) = 118" · m (L DAC) = 27"
- [a] 1st angle : 2rd angle : 3rd angle
- The measure of 2^{nd} angle = $\frac{6 \times 50^{\circ}}{5}$ = 60°
- [b] (1) 60 pupils. The measure of 3rd engle = $\frac{7 \times 50^{\circ}}{5}$ = 70°

S

Cara Cara



South Sinai (2017)

- 0 [a] 3 : 8 [c] the range <u>0</u>2 [b] rectangle - square
- age ent [d] 6 [s] E [c] 12 [d] 120

المصاد

- [a] The capacity of vesse = 30 × 30 × 30 = 27 000 cm³ = 27 Ht/es.

83

هذا العمل حصري على موقع ذاكرولي ا

[b] Length in drawing : Length in reality 9000 000

180 km.

Answers of final examinations

= 1 × 180 × 100 000 = 2 cm. The distance on the map

100 % : 6 % : 106 % 3 180

The buying price = 100 × 3 160 = L.E. 3 000

(b) Boys : QIT MINB Φ

The number of boys = 4 × 540 = 240 boys

The number of girls = $\frac{5 \times 640}{9}$ = 300 girls

[a] The volume of a cuboid = 16 x 9 = 144 cm²

3 8 ŧ

Red Sea (2017)

[a] 4.2 2 [a] rhombus - square [c] 500 [c] 125 D 20 9 ege ent [b]

diguacifis

هذا العمل حصري على موقع ذاكروني التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على الانترنت

W 2+2 8

2

[a] 1st lony "1.5 ton = 1.5 × 1 000 = 1 500 kg." 600 kg. 1.5 ton 2nd lony

600 kg. 600 1 500 (+ 100) 1 500 kg.

15 (+ 3)

[b] Length in drawing : Length in reality 1 100 000

The real length = 15 × 1 100 000 = 16 500 000 cm = 165 km.

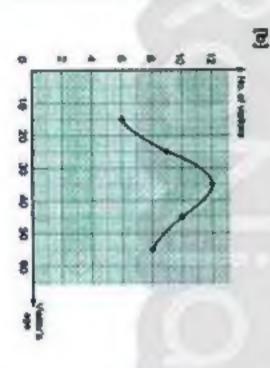
100 % : 10 % : 110 %

The buying price = 100 × 2 200 2 200

* L.E. 2 000

[b] The height = 4 600 = 20 cm

s (a) (1) m (L D) = 120" (3) AD = 6 cm. (2) m (4 BAC) = 35°



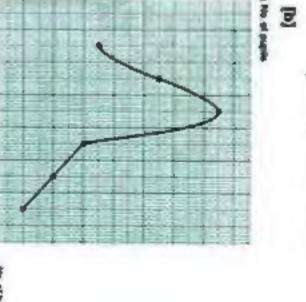
25 Matrouh (2017)

- [a] edge length x edeg length x edge length DJ 175 6 [d] the range
- 2 [9] 6 医角 [c] 180° [d] the age
- [a] 1st road : 2nd road : Difference
- The length of 2nd The length of 1⁸¹ road = $\frac{2 \times 21}{3}$ = 14 km. $road = \frac{5 \times 21}{3} = 35 \text{ km}.$
- (b) Buying price : Profit Selling price 41 400 115 %
- The buying price =LE 36 000 = 100 × 41 400 115
- The profit = 15 × 41 +00 = L.E. 5 400
- 1 (a) The number of bottles = 12 × 1 000
- = 30 bottles
- [D] (1) m (2 ABD) = 82" (2) m (2 D) = 127" (3) AC = 12 cm.

[e] Length in drawing : Length in reality 500

Answers of final examinations

- The first dimension in reality = 2 × 500 = 1 000 cm. × 10 m.
- Length in drawing : Length in reality 500
- The second dimension in reality = 4 × 500 = 2 000 cm. = 20 m.



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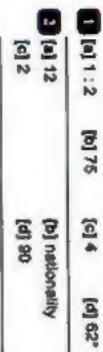


المصامد

Answers of final examinations

Examinations for the Year 2016 Answers of Governorates

Cairo (2016)



16 500 000 cm

= 165 hm.

$$\frac{6 \times 20700}{23} = L.E. 5400$$
The share of the 2nd person

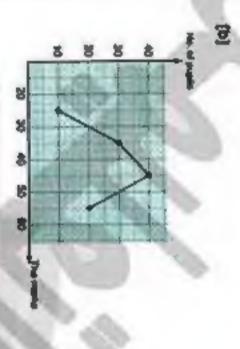
= 8 × 20 700 * L.E. 7 200

86 [a] The number of bottles = 12 x 1 000 = 30 bottles 8

color March

هذا العمل حصري على موقع ذاكروني التعليمي ويسمح بمشاركته فقط ولا يسمح بتداونه على الانترنت

11月2+2日



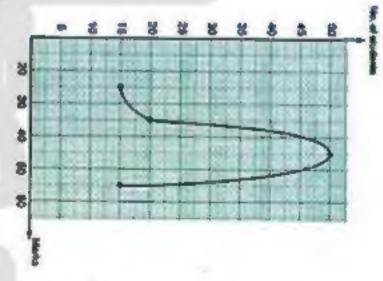
3

Giza (2016)



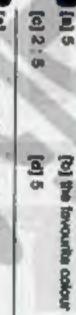
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9	3	Q5		4	cele .
		37	*1	**	Ī
280	35			Sum	2 10 = 5
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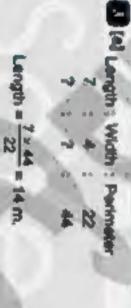
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5	8 ×	9	2	5	0.5	11 6	**		
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merchant		erchant		nerchant	280	35			



B Alexandi ria (2016)

1015	[c] 4 630	74 5 027 felt
fol the favourite on	(d) number of sets	ne fai



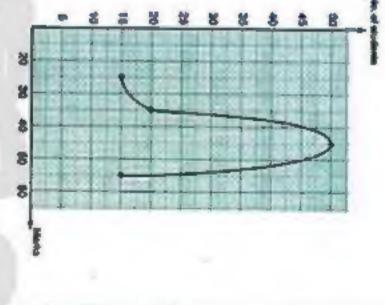


Width =
$$\frac{4 \times 44}{22}$$
 = 8 m.
The area of rectangle = 14 × 8 = 112 m².
[b] The volume = $\frac{1}{3}$ × 7 × 5 × 9 = 105 m³.

14 m

		_	
			3
H	-1	-	13
3	3	3	1
20	-	2	1
3	3	3	1
4	9	9	!
5	N	-	1
至	E.	77	1
3	2	8	60
-	4	9	1
ā	5	2	
ğ	7	-	San and the san an
d	asia.		1
3	218	~ 8	li
2	4	B.	
8	62	15	
=	a	9	1
3	3	3	
The first machine is more efficient than	3	[a] The rate of 1 st inachine = $\frac{500}{2}$ = 250 m.hr.	-
	The rate of 2^{nd} machine = $\frac{600}{2.5}$ = 240 mJhr.	1	
		_	

the second machine.







(a) The rate =	[c] 12	(a) 30°
240 = 80 km./hr.	[d] age	(b) 750 cm ³

20 000	100 %	[b] Before interes
		7
	**	Interest
10		
->	108 %	After Interes

المصام



87

i

[b] (1) 27 visitors.

= 64 cubes

The number of small cubes = 512

الصف السادس

The buying price = 100 × 1 025

1 028

= 900 pounds

[b] Suying price : Profit : Sealing price 100 % : 14 % : 114 %

Answers of final examinations

 δ [a] The volume of the big cube π $\delta \times \theta \times \theta$

= 512 cm²

The volume of a small cube = 2 × 2 × 2

= 0 cm

Answers of final examinations

- 4 (a) Length in drawing : Length resity 200 12
- The length in the picture = 200×1.2 = 240 mm. = 24 cm.
- [b] The valume of the box = 6 × 5 × 3 = 90 cm. = 30 × 25 × 15 = 11 250 cm³ The volume of a piece of sweet = 11 250 = 125 pieces The number of pieces of sweets
- [a] 1^M side : 2nd side : 3rd side : Sum 308 •
- The length of 1^{67} side = $\frac{2 \times 108}{9}$ = 24 cm.
- The length of 2^{M} side = $\frac{3 \times 108}{9}$ = 38 cm.
- The length of 3^{rd} side = $\frac{4 \times 108}{9}$ = 48 cm.
- Ē = 8 2
- 5) El-Sharkia (2016)

ő

8

tt

- 1 2 E 2 [4] 4:3 [c] 9 [b] 0.27 [c] 180° [b] 2 000 (d) the weight [4] 40

88

- S [a] 1st angle : 2nd angle : 3rd angle : Sum 180
- The measure of 1st angle = $\frac{1 \times 180}{6} = 30^{\circ}$
- The measure of 2^{nd} angle = $\frac{2 \times 180}{6} = 80^{\circ}$
- The triangle is a right-engled triangle The measure of 3"d angle = 3 × 100 u 90"
- [b] Length in drawing : Length in reakly 1 100 000
- The real length = 15 x 1 100 000
- = 16 500 000 cm = 165 km.
- 1 (a) Buying price: Profit: Salling price 100 % : 12 % : 112 % 2 688
- The buying price = 100 × 2 688
- #L.E. 2400
- [b] m (4 8) = 110° -m (4 DAC) = 30°
- 5. [a] The volume = $6 \times 6 \times 15 = 540 \text{ cm}^3$ × 8





che male التعليمي ويسمح بمشاركته فقط ولا يسمح بتداوله على الانترنت لي موقع ذاكرولي ا هذا العمل حصري

W2+2-8

المصاصبين

موقع فالكرولي التحليمي

الصف السادس الابتدائي

(n)